

on patients in the Trudeau Sanatorium at Saranac Lake, in many instances a single patient having been repeatedly studied over short intervals of time. By serial study one may often detect "spreads" prior to change of symptoms or physical findings, which fact emphasizes the importance of serial studies even in those patients who clinically appear to be doing well.

Concerning the reliability of the X-ray findings, the authors analyzed 1,367 cases diagnosed as pulmonary tuberculosis in 1,478 consecutive admissions to the Trudeau Sanatorium, and found that tubercle bacilli were present in 61.5 per cent; râles in 68.5 per cent, and the X-ray findings were positive in 99 per cent. At Trudeau, no patients having pulmonary cavities detectable by physical examination are admitted, yet 30 per cent of the

patients after admission on the X-ray examination show cavities. The extent of the lung involvement is almost always shown by the roentgen study to be more extensive than by the physical examination, the former method now being the accepted basis for classifying the extent of the lesion by the National Tuberculosis Association.

The authors believe that only very rarely will an individual who has reached the age of 25 or over, and shows negative chest X-ray findings, or, at most, only a peritruncal lesion, develop an active parenchymatous tuberculosis. Perhaps it is because of this belief that they strongly advocate the roentgenologic study of the chest for every high school graduate regardless of the past history, symptoms, or physical findings.

J. E. HABBE, M.D.

AUTHOR INDEX TO ABSTRACTS IN THIS ISSUE

- | | | | |
|--|------|--|------|
| ALBRECHT, E. The Standardization Apparatus of the Radiological Institute in the University of Freiburg..... | 973 | BEST, ELMER S. X-ray Negative Teeth..... | 992 |
| ALDEN, HERBERT S. (with JONES, JACK W.)..... | 979 | BLACKBERG, S. N. (with MENVILLE, LEON J., and ANÉ, J. N.)..... | 998 |
| ALEXANDER, JOHN, and BUCKINGHAM, WILLIAM W. Treatment of Non-tuberculous Suppurative Pneumonitis, Abscess, and Bronchiectasis..... | 991 | BLAINE, EDWARD S. Lunate Osteomalacia..... | 978 |
| ANDRÉN, GUNNAR. Birthmarks and Their Treatment..... | 932 | BLUMENSAAT, CARL. Hypertrophic Pneumic Osteoarthropathy (Pierre Marie)..... | 992 |
| ANDREWS, JUSTIN, and PAULSON, MOSES. The Effect of Barium Sulphate upon the Incidence of Human Intestinal Protozoa..... | 904 | BÖHM, ALEXANDER. The Application of and the Indications for Soft Roentgen Rays..... | 1021 |
| ANÉ, J. N. (with MENVILLE, LEON J., and BLACKBERG, S. N.)..... | 998 | BOINE, J. (with APPELMANS, R., and VAN GOIDSENHOVEN, F.)..... | 1000 |
| APPELMANS, R., VAN GOIDSENHOVEN, F., and BOINE, J. Contributions to the Study of Chronic Stenosis of the Duodenum..... | 1000 | BORMAN, C. (with CARLSON, H. A., DVORAK, H. J., LYNCH, F. W., and WANGENSTEEN, O. H.)..... | 995 |
| ARENDT, JULIAN. The Use of Diathermy in Diagnosis..... | 993 | BOYD, JULIAN D. (with STEARNS, GENEVIEVE)..... | 1016 |
| AUFSES, ARTHUR H. Skeletal Metastases from Carcinoma of the Rectum: Report of Eight Cases..... | 986 | BRAASCH, WILLIAM F. The Value of Uroselectan in Renal Lithiasis..... | 1004 |
| BAGNARESI, GIACOMO. Misplacements of the Cecum and Ascending Colon..... | 998 | Idem. Intravenous Urography..... | 1005 |
| BARNARD, LEONARD (with CARY, N. AUSTIN)..... | 978 | BROMER, RALPH S. The Chest in Rachitic Children: A Roentgenologic Study..... | 989 |
| BARTLETT, EDWIN I. The Treatment of Bone Tumors..... | 985 | BROWN, LAWRASON (with SAMPSON, HOMER L.)..... | 1030 |
| BECKER, J. The Technic of the Roentgenologic Demonstration of the Urinary Tract with Abrodil..... | 1003 | BROWN, SAMUEL, and REINECKE, HAROLD G. Roentgenological Study of the Superior and Posterior Mediastinum..... | 990 |
| BEER, EDWIN. Roentgenological Control of Exposed Kidneys in Operations for Nephrolithiasis, with the Use of Special Intensifying Cassette..... | 1007 | BRUNTSCHWIG, ALEXANDER. Primary Sarcoma of the Gall Bladder..... | 995 |
| BERG, HANS H. Roentgenologic Examination of the Colon..... | 999 | BUCKINGHAM, WILLIAM W. (with ALEXANDER, JOHN)..... | 991 |
| BERKHEISER, E. J., and SEIDLER, FERDINAND. Non-traumatic Dislocations of the Atlanto-axial Joint..... | 980 | BUGBEE, HENRY G., and MURPHY, ARTHUR J. The Value and Limitations of Uroselectan as an Aid in Urological Diagnosis..... | 1003 |
| | | CALVÉ, JACQUES, and GALLAND, MARCEL. The Intervertebral Nucleus Pulposus: Its Anatomy, its Physiology, its Pathology..... | 1025 |
| | | CANADIAN RADIOLOGICAL SOCIETY. The Historical Background of Physiotherapy..... | 1014 |
| | | CARLSON, H. A., DVORAK, H. J., LYNCH, F. W., BORMAN, C., and WANGENSTEEN, O. H. Value of X-ray Evidence of Bowel Obstruction in Various States of Intestinal Stasis..... | 995 |
| | | CARY, N. AUSTIN, and BARNARD, LEONARD. Kien- | |

- böck's Disease: Compression Osteitis of Semilunar or Lunate Bone of the Wrist: Report of Cases..... 978
- CASATI, ANNIBALE. Experimental Studies Concerning the Effect of Roentgen Rays on the Bone Marrow (Second Communication)..... 994
- CASE, JAMES T. Comments on the X-ray Examination of the Appendix..... 974
- CASTLETON, KENNETH B. (with PENDERGRASS, EUGENE P., and GILMAN, ROBERT L.)..... 978
- COMPERE, EDWARD L. The Effect of Phosphorus in Rickets: I.—Roentgenologic Changes in Rickets Following Administration of Phosphorus..... 1016
- CONTARDO, G. B. Pregnancy after Radium Therapy for Cervical Carcinoma: Cesarean Hysterectomy at Eighth Month..... 1009
- CRAVER, LLOYD F. (with PACK, GEORGE T.)..... 1018
- CUMMING, ROBERT E. Diagnosis in Urology: Roentgenologic Studies of the Urinary Tract, with Contrast Agents Administered Intravenously..... 1007
- DESJARDINS, ARTHUR U. Radiotherapy for Inflammatory Conditions..... 1018
- DICKEY, LLOYD B. The Etiology of Erythema Nodosum in Children: Its Relation to Early Tuberculous Infection..... 1029
- DICKSON, B. R. (with LOUCKS, R. E.)..... 1021
- DUFRESNE, ENG. Cranial Radiography..... 1025
- DVORAK, H. J. (with CARLSON, H. A., LYNCH, F. W., BORMAN, C., and WANGENSTEEN, O. H.)..... 995
- EDITORIAL (Jour. Am. Med. Assn.). A Year's Progress in Roentgenography of Abdominal Viscera..... 972
- EIKENBARY, C. F., and LE COQ, JOHN F. Osteomyelitis Variolosa: Report of Three Cases..... 977
- FIGI, FREDERICK A. Early Diagnosis and Treatment of Malignant Conditions of the Mouth and Lips..... 985
- FINDLEY, PALMER. Pelvic Irradiation in Cancer of the Cervix..... 987
- FISCHEL, KARL. Non-apical Infiltrations in Pulmonary Tuberculosis..... 1030
- FOGELSON, SAMUEL J. The Treatment of Peptic Ulcer with Gastric Mucin: Preliminary Report..... 1001
- FOULDS, GORDON S. Observations on the Diagnosis and Treatment of Renal Calculi..... 1003
- FREUND, LEOPOLD. The Screening Effect of the Upper Layer of the Epidermis to Light..... 1013
- GALLAND, MARCEL (with CALVÉ, JACQUES)..... 1025
- GATEWOOD. Subphrenic Abscess..... 972
- GILMAN, ROBERT L. (with PENDERGRASS, EUGENE P., and CASTLETON, KENNETH B.)..... 978
- GILMORE, W. H. Pathological Thymus in Children from a Roentgenological Standpoint..... 1027
- GINSBURG, SOLOMON. The Value and Place of Radium in Treatment of Diseases of the Thyroid Gland..... 1028
- GLASER, MARK A. Campioidol (Iodized Rapeseed Oil): Its Use in the Roentgenographic Visualization of the Body Cavities..... 992
- GOLDBAFT, ARTHUR D., WRIGHT, LILLIE M., and PEMBERTON, RALPH. The Production of Hypertrophic Arthritis by Interference with the Blood Supply..... 975
- GOODYEAR, HENRY M. Use of Iodized Oil in Diagnosis of Nasal Sinus Conditions: Further Observations..... 1023
- GRAHAM, ROSCOE R. The Problem of Thyroid Intoxication..... 1029
- GRANINGER, KARL. Promising Ways to the Cure of Hopeless Roentgen and Radium Injuries 941
- GRÜNTAL, J. A Contribution to the Roentgen Treatment of Tuberculosis of the Male Genital Organs..... 1017
- Idem. The Treatment of Diseases of the Tonsils with Roentgen Rays..... 1020
- HARDING, D. B. Cholecystography: A Review of Thirty-four Cases, with Operative Findings..... 995
- HASE, HERMANN, and KÜSTNER, HANS. Stem Radiation, Air Absorption, and Inverse Square Law..... 904
- HEIM, K. Results and Value of Roentgen Diagnosis in Obstetrics..... 1009
- HERBST, ROBERT H. Comparative Value of Uroselectan to Cystoscopic Pyelography..... 1004
- HERBST, ROBERT, and VYNALEK, WILLIAM J. Solitary Serous Renal Cysts, with a Study of Roentgen Observations..... 1008
- HERNAMAN-JOHNSON, F. The Place of X-rays in the Treatment of Malignant Disease, with Especial Reference to Cancer of the Breast..... 1017
- HESZ, P., and SCHLECHT, H. The Causes of Success and Failure in X-ray Treatment of Basedow's Disease..... 1029
- HILL, SIR LEONARD, and LAURIE, ALAN R. Irradiation of School Children..... 1013
- HOFFMANN, WOLFGANG. The Effect of X-rays upon the Retina..... 1019
- HORSTERS, HANS. Anaphylactic State after the Injection of Abrodil (Skiodan)..... 1007
- HOWARD, PHILIP J. (with JOHNSTON, J. A.)..... 1028
- HUNT, BARBARA. Treatment of Cancer of the Uterine Cervix and Breast by Radium and Deep Therapy X-ray, with Seven-, Five-, and Three-year End-results..... 987
- HUNT, EDWARD L., and LISA, JAMES R. Peptic and Duodenal Ulcer in Tabes Dorsalis..... 997
- JAGUTTIS, P. Results of Radiation Therapy in Toxic Goiter..... 1028
- JOHNSTON, J. A., and HOWARD, PHILIP J. Enlargement of Thymus in the Newborn..... 1028
- JONES, JACK W., and ALDEN, HERBERT S. Maduromycotic Mycetoma (Madura Foot): Report of a Case Occurring in an American Negro..... 979
- KAHLSTORF, A. Studies of the Skin Tolerance with Protracted Roentgen Treatment..... 1017
- KEUSER, A. Quartz Lamp Irradiation with Reflector..... 1013
- KEY, J. ALBERT. Treatment of Fractures of the Head and Neck of the Radius..... 982
- KEYNES, GEOFFREY. The Radium Treatment of Primary Carcinoma of the Breast..... 1015
- KUCKUCK, WALTER. Lymphogranulomatosis of the Vertebral Column..... 1011
- KURLANDER, JOSEPH J. Slipping of the Lower Femoral Epiphysis..... 981
- KÜSTNER, HANS (with HASE, HERMANN)..... 904
- LACASSAGNE, A. Indications for Radiotherapy in Sarcoma..... 985
- LAMBRANZI, MARIO. The X-ray Treatment of Fibromas of the Nasopharynx..... 1018
- LANE-CLAYTON, JANET. Cancer of the Lip, Tongue, and Skin: A Ministry of Health Report..... 987
- LA PIERRE, GASTON. Actinotherapy in Pediatrics..... 1016
- LAQUEUR, A. Light Therapy and the General Practitioner..... 1013
- LARIMORE, JOSEPH W. Roentgenology of the Appendix..... 974
- LAURIE, ALAN R. (with HILL, SIR LEONARD)..... 1013
- LE COQ, JOHN F. (with EIKENBARY, C. F.)..... 977

- LEESER, F., and SIMSON, J. The So-called Endocrine Arthritis 975
- LEVIN, ISAAC. Lymphoma Malignum (Hodgkin's Disease) and Lymphosarcoma: Pathogenesis, Radiotherapy, and Prognosis.....1012
- VON LICHTENBERG, ALEXANDER. The Principles of Intravenous Urography.....1001
- LICHTY, JOHN A. The Present Consideration and Care of the Colon.....1000
- LISA, JAMES R. (with HUNT, EDWARD L.)..... 997
- LITTLE, CLARENCE C. The Present Status of the Cancer Problem 986
- LONG, WENDELL. The Rational Treatment of Carcinoma of the Cervix Uteri..... 987
- LOUCKS, R. E., and DICKSON, B. R. An Evaluation of Modern Roentgen Therapy.....1021
- LOWSLEY, OSWALD S. Uroselectan in Urinary Tuberculosis 1008
- LÜBIN, M., and WERTHEMANN, A. Changes in the Lungs Following Roentgen Exposure..... 990
- LYNCH, F. W. (with CARLSON, H. A., DVORAK, H. J., BORMAN, C., and WANGENSTEEN, O. H.) 995
- LYONS, CLINTON G. A Gastro-jejuno-colic Fistula, with a Barium Enema Entering the Esophagus 997
- MC CLELLAND, J. C. Uroselectan for Intravenous Pyelography 1006
- MAC GREGOR, R. R. Some Interesting Cases of Hypertrophic Pyloric Stenosis..... 999
- McKIM, L. H. Conservatism in the Treatment of Infective Bone Lesions of the Fingers.... 981
- MCLEAN, STAFFORD. I.—The Roentgenographic and Pathologic Aspects of Congenital Osseous Syphilis 984
- Idem. II.—The Correlation of the Roentgenographic and Pathologic Aspects of Congenital Osseous Syphilis, with Particular Reference to the First Months of Life..... 984
- MANGES, WILLIS F. The Relation of Sinus Disease to Pulmonary Infection, from the Standpoint of the Roentgenologist.....1022
- MARGOLIS, HARRY M. The Possible Significance of the Thymus Gland in the Syndrome of Hyperthyroidism 1026
- MASTER, A. M., and ROMANOFF, A. Electrocardiographic Changes in Pneumonia.....1010
- MATTICK, WALTER L. The Application of Radiology to the Practice of Pediatrics, with Indications and Contra-indications.....1019
- MELCHART, FRANZ. Results of Treatment in the Radiumhemmet in Stockholm: Comparison of Results with Those of Other Institutes....1020
- MENVILLE, LEON J., ANÉ, J. N., and BLACKBERG, S. N. Observation on the Motility of the Gastro-intestinal Tract of Starving Rats..... 998
- MEYER-BORSTEL, H. A Contribution to the Diagnosis of Early Carcinoma of the Pylorus 986
- MILLER, O. L. Acute Transient Epiphysitis of the Hip Joint..... 981
- MILLES, G., MÜLLER, E. F., and PETERSEN, W. F. New Technic for Roentgenographic Study of Renal Vessels.....1002
- Idem. Studies in Renal Denervation. I.—Roentgenographic Demonstration of Vascular Alteration 1004
- MOGLIA, GIOVANNI. Work of the Gynecologic Department of the Istituto del Cancro, Milan, during its First Two Years of Activity 1009
- MOORE, THOMAS D. Renal Carbuncle.....1005
- MORELLE, JEAN. Radiographic Studies on the Healing of Experimentally Produced Fractures Followed by Administration of Irradiated Ergosterol 982
- MÜLLER, E. F. (with MILLES, G., and PETERSEN, W. F.) 1002, 1004
- MULLIN, W. V. The Management of Chronic Sinus Disease 1023
- MURPHY, ARTHUR J. (with BUGBEE, HENRY G.)...1003
- MUZIL, MARIO. Some Consideration of 4,600 Radiologic Examinations in the Past Six Years 941
- NEYMANN, CLARENCE A., and OSBORNE, S. L. The Treatment of Dementia Paralytica, with Hyperpyrexia Produced by Diathermy.. 993
- NONNENBRUCH. The Limits between the Normal and Pathologic in the Lung Roentgenogram 989
- OSBORNE, S. L. (with NEYMANN, CLARENCE A.)... 993
- OSGOOD, ROBERT B. Orthopedic Aspects of Chronic Rheumatism or Arthritis..... 975
- OTTAVIANI, GAETANO (with PERONA, PIETRO)....1010
- OVERHOLT, RICHARD H. Air in the Peritoneal Cavity: Its Effect on the Position and Activity of the Diaphragm..... 994
- PACK, GEORGE T., and CRAVER, LLOYD F. Radiation Therapy of Polycythemia Vera.....1018
- PALMER, J. P., and TAFT, ROBERT B. Spontaneous Pneumothorax 990
- PALUGYAY, JOSEF. The Lower Esophagus and Upper Portions of the Stomach as Seen by the Roentgenologic Examination..... 996
- Idem. Results of Roentgenotherapy of Surgical Tuberculous Diseases 1022
- PARENTI, SILVIO. Dental Radiology in its Most Common Applications 993
- PARHON, C. I., and PARHON-STÉFANESCO, CONSTANCE. A New Syndrome: Hyperfunction of the Hypophysis in Childhood.....1024
- PARHON-STÉFANESCO, CONSTANCE (with PARHON, C. I.) 1024
- PAULSON, MOSES (with ANDREWS, JUSTIN)..... 904
- PEMBERTON, RALPH (with GOLDBAFT, ARTHUR D., and WRIGHT, LILLIE M.) 975
- PEMBERTON, RALPH. Developments in the Problem of Arthritis..... 976
- PENDERGRASS, EUGENE P., GILMAN, ROBERT L., and CASTLETON, KENNETH B. Bone Lesions in Tardive Heredosyphilis..... 978
- PENDERGRASS, EUGENE P. Indications and Contra-indications of Encephalography and Ventriculography 1024
- PERONA, PIETRO, and OTTAVIANI, GAETANO. A Study of the Right Cardiovascular Border....1010
- PETERSEN, W. F. (with MILLES, G., and MÜLLER, E. F.) 1002, 1004
- PFAHLER, G. E., and VASTINE, J. H. Radiation Therapy in Cancer of the Mouth, with Especial Reference to the Use of Pure Gamma Rays 988
- PIERGROSSI, ALDO. A Case of Eburnizing Osteitis of a Single Bone (Meloreostosis).... 977
- PLATT, HARRY. Cysts of the Long Bones of the Hand and Foot..... 984
- POMERANZ, R. The Diaphragm: A Clinical and Roentgenologic Study 991
- PRAY, RALPH E. Thymic Disorders: Their Recognition and Treatment, with a Report of Sixteen Cases 1027
- RANKIN, FRED W. The Diagnosis of Malignant Conditions of the Colon..... 998
- REIGENBAUM, J. (with RIVEN, SAMUEL S.).....1010
- REINECKE, HAROLD G. (with BROWN, SAMUEL).... 990
- RIGLER, LEO G. The Early Diagnosis of Carcinoma of the Stomach..... 998
- RIVEN, SAMUEL S., and FEIGENBAUM, J. Syphilis

of the Aorta and Heart: A Clinical Study.....	1010	SVÁB, VÁCLAV. A Case of Aleukemic Leukemia	
ROHRHIRSCH, OTTO. Primary Sarcoma of a		of the Stomach and its Roentgenologic	
Vertebra	1026	Findings	997
ROMANOFF, A. (with MASTER, A. M.).....	1010	SWEETSER, THEODORE. Intravenous Urography	
DE RUDDER, BERNHARD. The Problem of the Sea-		in the Diagnosis of Renal Tuberculosis:	
sonal Diseases	941	Case Report	1006
SAMPSON, HOMER L., and BROWN, LAWRASON.		TAFT, ROBERT B. (with PALMER, J. P.).....	990
The Value of the Roentgenologic Examination		TALIA, F. Amebic Subdiaphragmatic Abscess.....	973
in Pulmonary Tuberculosis.....	1030	Idem. Painful Hemisacralization of the Sixth	
SCHAEFER, W., and WITTE, E. Contributions to		Lumbar Vertebra	1026
the Biological Effects of Modern Cathode-		TUVE, M. A. (with WHITMAN, W. G.).....	1015
ray Tubes	973	ULLMANN, H. J. Minimum Requirements for	
SCHLECHT, H. (with HESZ, P.).....	1029	Roentgenography	1019
SCHLIEPHAKE, ERWIN. On the Depth Effect and		VAN GOUDSENHOVEN, F. (with APPELMANS, R.,	
the Elective Action on Tissue Produced by		and BOINE, J.).....	1000
Short Electrical Waves.....	973	VASTINE, J. H. (with PFAHLER, G. E.).....	988
SCHULTZE, WALTHER. Temperature Measure-		VILLA, LUIGI. Study of the Morphogenesis of	
ments in the Skin and Their Relation to the		the Cells of Sternberg in Hodgkin's Disease.....	1011
Degree of Cooling.....	994	VYNÁLEK, WILLIAM J. (with HERBST, ROBERT).....	1008
SEAR, H. R. Some Notes on the Value of		WANGENSTEEN, O. H. (with CARLSON, H. A.,	
X-rays in Pregnancy.....	1009	DVORAK, H. J., LYNCH, F. W., and BORMAN,	
SEIDLER, FERDINAND (with BERKHEISER, E. J.).....	980	C.).....	995
SHACKELFORD, RICHARD T. Hydropneumoperi-		WEISS, THEODOR. Diagnosis of the Mesenterium	
cardium: Report of a Case, with a Summary		Commune	932
of the Literature.....	1011	WERTHEMANN, A. (with LÜDIN, M.).....	990
SHELTON, E. KOST. Roentgenographic Studies		WERTHEMANN, A. Experimental Roentgen In-	
in Normal Osseous Development.....	979	juries of the Heart Muscle.....	994
SHERMAN, GEORGE A. Hodgkin's Disease, with		WEST, JOHN H. The Thymus Problem to Date,	
Special Reference to Diagnostic Difficulties,		Based on a Study of 475 Mediastinal Radi-	
and Results Following Roentgen Irradia-		ographs	1027
tion: Report of a Case.....	1012	WHITE, WILLIAM CRAWFORD. The Diagnosis	
SIMSON, J. (with LEESER, F.).....	975	and Treatment of Carcinoma of the Breast.....	986
SIPERSTEIN, DAVID M. Acute Intussusception in		WHITMAN, R. W. Diverticulitis of the Colon,	
Infancy: Operative and Non-operative		with Special Reference to Acute Perfora-	
Treatment	1000	tions of the Sigmoid.....	997
SMITH, CLAYTON S., and WIKOFF, HELEN L.		WHITMAN, W. G., and TUVE, M. A. Biological	
Pharmacology of Brominated Oils.....	992	Effects of Gamma Rays.....	1015
SMITH, EMERSON. An Unusual Case of Unilat-		WIKOFF, HELEN L. The Preparation of Some	
eral Renal Bleeding.....	1006	Brominated Oils and Brominated Esters.....	992
SNELLER, CHARLES D. Pork Bone in Bronchus		WIKOFF, HELEN L. (with SMITH, CLAYTON S.)..	992
Causing Symptoms Simulating Pulmonary		WILKE, A. Bilateral Disease of the Os Nav-	
Tuberculosis	988	iculare Pedis in Adults.....	932
STEARNS, GENEVIEVE, and BOYD, JULIAN D. The		WILSON, SIDNEY J. Cancerous Moles.....	988
Healing of Late Rickets Coincident with		WITTE, E. (with SCHAEFER, W.).....	973
Low Serum Phosphate	1016	WOYTEK, GEORG. Excretion Urography with	
STEINDLER, ARTHUR. The Tabetic Arthropathies..	983	Abrodil (Skiodan)	1006
STEWART, A. Solitary Diverticulitis of the		WRIGHT, LILLIE M. (with GOLDHAFT, ARTHUR D.,	
Cecum	996	and PEMBERTON, RALPH).....	975

INDEX TO VOLUME XVI

- Abadie, Jules, 242, 922.
 Abbé, Robert, 30, 37.
 Abbott, A. C., 105.
 Abbott Laboratories, 74.
 [Abdomen] Abdominal viscera, Year's progress in roentgenography of (abstract), 972.
 Abdomen, opaque formations in, with special regard to dermoid cysts and splenic calcifications, Discussion of, A. Vallebona (abstract), 828.
 Abell, Irvin, 620.
 Abitz, W., 595.
 Abramowitz, E. W., 702.
 Abrodil (Skiodan), Anaphylactic state after injection of, H. Horsters (abstract), 1007.
 Abscess, Amebic subdiaphragmatic, F. Talia (abstract), 973.
 Abscesses, post-appendicitis, Roentgen symptoms of, R. Pohl (abstract), 573.
 Abscess, Subphrenic, Gatewood (abstract), 972.
 Abscess, subphrenic, on post-appendiceal basis, Roentgenologic appearance of, O. Meller (abstract), 620.
 Absorption measurements of X-ray general radiation, L. S. Taylor, 302.
 Acetabulum, Fractures of, W. R. Cubbins, A. H. Conley, and J. J. Callahan (abstract), 82.
 Achlorhydria, Clinical syndromes that include, J. S. McLester (abstract), 100.
 Ackman, F. D., 103.
 Actinomycosis (mycetoma): report of six cases in Georgia, J. W. Jones and H. S. Alden (abstract), 417.
 Actinotherapy in pediatrics, G. La Pierre (abstract), 1016.
 Adams, Roy, 391.
 Adelstein, Leo J., 818.
 Adenocarcinoma of bronchus, with widespread metastases: case report, W. S. Middleton, E. A. Pohle, and G. Ritchie, 945.
 Adenocarcinoma of uterus, radiotherapy in, Results of, A. Lacassagne (abstract), 88.
 Adenoma, Origin of polypi of large bowel, with especial reference to: preliminary report, W. A. Fansler (abstract), 624.
 Adenopapillomata, Multiple, of stomach, with report of case showing varying degrees of malignancy, F. D. Ackman (abstract), 103.
 Adler (cited by E. Zweifel), 585.
 Adolescence, deforming bone diseases of, A. L. Gray (abstract), 84.
 Africa, silicosis in, 604.
 Agati, Dino, 82.
 Ageev, N. V., 783.
 Agranulocytosis, Roentgen therapy of, F. Burgheim (abstract), 417.
 Aichel, O., 922.
 Aimes, A., 922.
 Air pressure, Influence of, on formation of erythema and pigmentation in skin, F. Schmidt-Laubaume and E. Uhlmann (abstract), 421.
 Akerlund, Ake, 485.
 Albanese, Armando, 922.
 Albee, Fred H., 922.
 Albers-Schönberg, H. E., 702.
 Albers-Schönberg's disease, 162, 167.
 Albrecht, E., 973.
 Albrecht, Hans, 109.
 Albrecht, H. U., 849, 855, 967.
 Alden, Herbert S., 417, 979, 980.
 Alessandri, P., 923.
 Alexander, Arthur, 818.
 Alexander, John, 403, 991.
 Alexander, W., 923.
 Alfandary (cited by W. W. Belden), 926.
 Alimentary tract in Flajani-Basedow's disease, P. Ottonello (abstract), 101.
 Allen, Alexander J., 571.
 Allen, Bundy (portrait), facing 68.
 Allen, Ellery, 59.
 Allen, Kenneth D. A., 492-507, 602.
 Allen, Kenneth D. A., Post-operative behavior of diaphragm, 492. *See other references.*
 Allison, Nathaniel, 179.
 Allison, R. G., 564.
 Alvarez, W. C., 851, 855.
 Amenorrhea, roentgen, temporary, Means for exact dosage in carrying out, T. C. Neeff (abstract), 401.
 Amenorrhea, roentgen, temporary, Scientific and experimental foundations of, H. Wintz (abstract), 401.
 Amenorrhea, Temporary, in treatment of endometrial tumors of ovary and peritoneum, H. Albrecht (abstract), 109.
 Amenorrhea, temporary roentgen, Clinic of, C. J. Gauss (abstract), 110.
 American College of Physicians, 390.
 American College of Radiology, 744.
 American College of Surgeons, 90, 378, 881. *See also Bone Sarcoma Registry.*
 American Committee for the Control of Rheumatism, 975.
 American Congress of Physical Therapy, Program of, 729.
 American Medical Association, 387, 728; Committee on Scientific Research, 75; Council on Pharmacy and Chemistry, 74; Council on Physical Therapy, 727, 729, 744.
 American Physiotherapy Association, 728.
 American Society for the Control of Cancer, 291, 369, 376-379.
 American Urological Association, 108.
 Amniography (preliminary report), T. O. Menees, J. D. Miller, and L. E. Holly (abstract), 401.
 Andersen, E. B., 335, 338.
 Anderson, Hjalmar S., Lesions of clavicle, 181.
 Anderson, N. P., 703.
 Anderson, R. J., 803.
 Anderson, William T., Jr., 836.
 d'Andral (cited by E. Devic, P. Savy, and E. Freedman), 25.
 Andrassy (cited by W. W. Belden), 923.
 André, Gunnar, 932.
 Andresen, Albert F. R., 573.
 Andrews, George C., 78, 79, 738, 743.
 Andrews, Justin, 904.
 Andrus, Paul M., and Hambleton, A., Focal spot projection and position of X-ray tube in radiography, 869.
 Andrus, William De W., 499, 507.

- Ané, J. N., 996-998, 1003, 1004, 1010, 1016.
 Anemia, pernicious, 100.
 Anencephaly: diagnosis, importance of pre-natal, with report of case, Hyman I. Teperson, 334.
 Aneurysm, Four cases of, H. E. MacDermot (abstract), 402.
 Angevine, D. M., 830.
 Angina pectoris, pain of, Differential diagnosis of, and radicular syndrome of hypertrophic osteoarthritis of spine, D. C. Sutton (abstract), 426.
 Angioma racemosum in skull, L. Frigýér (abstract), 423.
 Angrany, D. V., 968.
 Anomalies, renal rotation and associated, Anomalous, W. F. Braasch (abstract), 795.
 Ano-rectal region, Three primary malignant epithelial tumors of, occurring in one person, D. M. Angevine (abstract), 830.
 Anschütz (cited by M. Haudek and J. D. Camp), 851, 855.
 Anson, B. J., joint-author, 52.
 Antral disease, chronic, Rational surgical treatment of, J. G. Hunt (abstract), 817.
 Antrum disease, Chronic, L. E. Patrick (abstract), 815.
 Antrum, maxillary, Diagnosis and treatment of inflammation of, P. G. Goldsmith (abstract), 816.
 Antrum pylori, Segmentary toxic gastritis of, L. Giuntoli (abstract), 97.
 Anzillotti, Alberto, 98, 100.
 Aorta, coarctation of (adult type), Roentgenologic diagnosis of, W. W. Fray (abstract), 403.
 Aorta, Rupture of, C. J. Tidmarsh (abstract), 402.
 Aorta, Uncoiled: Part II.—Pathologic aorta, D. S. Dann (abstract), 402.
 Appelmans, R., 1000.
 Appendicitis, chronic, Roentgen diagnosis of, H. J. Walton and S. Weinstein (abstract), 572.
 [Appendicitis] Post-appendicitis abscesses, Roentgen symptoms of, R. Pohl (abstract), 573.
 Appendix, Pathologic, A. F. R. Andresen (abstract), 573.
 Appendix, Roentgenologic observations of appendix, W. Knothe (abstract), 572.
 Appendix, Roentgenology of, J. W. Larimore (abstract), 974.
 Appendix, X-ray examination of, Comments on, J. T. Case (abstract), 974.
 Archambault, Gustave, 422.
 Archer, Vincent W., 99, 623, 757, 759.
 Archer (cited), 973.
 Arendt, Julian, 403, 821, 993.
 Arlabosse (cited by W. W. Belden), 923.
 Armstrong, George, 999.
 Arneson, A. I., 572.
 Arnould (cited by W. W. Belden), 926.
 Arrivot, P., 923.
 Arthritis, chronic, Orthopedic aspects of rheumatism or, R. B. Osgood (abstract), 975.
 Arthritis, endocrine, So-called, F. Leeser and J. Simon (abstract), 975.
 Arthritis, hypertrophic, Production of, by interference with blood supply, A. D. Goldhaft, L. M. Wright, and R. Pemberton (abstract), 975.
 Arthritis, problem of, Developments in, R. Pemberton (abstract), 976.
 Arzt, Leopold, 702.
 Asbestosis bodies in sputum and lung, K. M. Lynch and W. A. Smith (abstract), 94.
 Asbury, Esie, 923.
 Ascariasis, Roentgen diagnosis of, V. W. Archer and C. H. Peterson (abstract), 623.
 Aschner, Paul W., 790.
 Asdell, Sydney A., 814.
 Ashley, L. B., 65.
 Assmann, Herbert, 16, 17, 19, 28, 330, 332, 485, 823, 990.
 Association for the Development of Medical Relations, 962.
 Asthma, bronchial, Roentgenotherapy of, G. M. Sack (abstract), 414.
 Atelectasis and emphysema, Mechanism of physical signs in neoplastic and other diseases of lung, with especial reference to, C. Jackson (abstract), 93.
 Atlanto-axial joint, Non-traumatic dislocations of, E. J. Berkheiser and F. Seidler (abstract), 980.
 Atsatt, Rodney, 744.
 Aubert, Edmond, 923.
 Aubert (cited by E. Zweifel), 585.
 Aufses, Arthur H., 986.
 Aurelius, J. R., 855.
 Awalischwili, G. Gr., 83.
 Axhausen (cited by G. Jansson), 578.
 Baastrup (cited by A. Salotti), 86.
 Bachem, Albert, 729.
 Bachrach, Robert, 828.
 Backmund, Karlheinz, 414.
 Bacterial flora in uterine carcinomata treated with radium, A. M. Bonanno (abstract), 407.
 Badgley, C. E., 765.
 Badolle (cited by W. W. Belden), 927.
 Baer, W. S., 234, 242.
 Baetjer, Frederick H., 911, 923.
 Baggs, H. J., 50.
 Bagnaresi, Giacomo, 998.
 Bailey, Cornelius Oliver, 588.
 Bailey, Frederick H., 352.
 Bailey, Percival, 553.
 Baker, Lillian E., 322, 327.
 Baker, W. Morant, 187.
 Bakwin, Harry, 743, 834.
 Bakwin, Ruth M., 743, 834.
 Baldwin, W. M., 338, 710, 718.
 Balestra, Giovanni, 92, 818.
 Balfour, D. C., 270, 855.
 Balfour (cited by F. D. Ackman), 103.
 Ballantyne, John W., 334, 338.
 Ballon, David H., 612.
 Banerjee, Kedaraswar, 593, 594.
 Bargen, J. Arnold, 824.
 Barium sulphate, Effect of, upon incidence of human intestinal protozoa, J. Andrews and M. Paulson (abstract), 904.
 Barker, Howard H., 807.
 Barker, Paul S., 403.
 Barnard, Leonard, 978.
 Barnes, J. M., 302, 317-319.
 Barney, J. Dellinger, 796.
 Barr, David P., 431.
 Barrett, Charles S., Gezelius, Roy A., and Mehl, Robert F., Technic of radiography by gamma rays, 461.
 Barrett, Charles S., joint-author, 508.
 Barrie, G., 657.
 Barrow, S. C., 434, 599, 601, 602, 1030.
 Barry, M. W., 302, 317.
 Bartlett, Edwin I., 829, 985.
 Basedow's disease and its radiotherapeutic estimation: Polarization measurements on human skin, H. Regelsberger (abstract), 399.
 [Basedow's disease] Flajani-Basedow's disease, Alimentary tract in, P. Ottonello (abstract), 101.
 Basedow's disease in older women, Our method of X-ray therapy of, A. Jugenburg (abstract), 432.
 Basedow's disease, X-ray treatment of, Causes of

- success and failure in, P. Heszy and H. Schlecht (abstract), 1029.
- Basset, Antoine, 923.
- Bastian, G., 406.
- Batten, G. B., 686.
- Battle Creek Sanitarium, 334, 974.
- Baumecker, Heinz, 619.
- Bayer, S., 234, 242.
- Bayles, William H., 73.
- Bazett, H. C., 707, 718.
- Beall, K. H., 412.
- Beals, J. A., 944.
- Beasley, I. E., 703.
- Beaver, M. G., 507.
- Bec, François, 480, 482.
- Beck, Emil G., 244.
- Becker, J., 1003.
- Becker (cited by J. S. Coulter and E. M. Smith, Jr.), 739.
- Becker-Manheimer, Olga, 702-704.
- Bélère, Antoine, 417, 960.
- Bélère, Claude, 960.
- Bedford, George V., 582.
- Beer, Edwin, 78, 1007.
- Behnken, Hermann, 2, 3, 7, 8, 10-12, 304, 611.
- Behrend, Moses, 621.
- Beisler, L. G., 480, 482.
- Belden, Webster W., 392-394, 905-932.
- Belden, Webster W., Fifth lumbar vertebra roentgenologically demonstrated, 905. *See other references.*
- Belfield, William T., 933, 935.
- Bell, Blair, 415, 439.
- Belot, M., 357, 960.
- Belt, T. H., 604.
- Benassi, G., 923.
- Bence-Jones bodies, 195, 228.
- Benedict, Edward B., 831.
- Benedict (cited by W. Devrient, S. Thyssen, and B. Sokoloff), 749.
- Berens, Conrad, 772.
- Berg, H., 95.
- Berg, H. H., 849, 855, 999.
- Berg, Richard F., 655.
- Berg (cited by H. U. Albrecht), 967.
- Berger, Hans, 827.
- Berger, Heinz, 611.
- Berkheiser, E. J., 980.
- Bermond, Marco, 617.
- Bernard (cited), 1015.
- Bernheimer, H. C., 772.
- Bernstein, Mitchell, 328, 330, 332.
- Best, Elmer S., 992.
- Betocchi, Giorgio, 423.
- Bettman, H. J., 244.
- Bevan, A. D., 539.
- Bhargava, Saligram, 595.
- Bierman, Morris I., 923.
- Bigelow Clinic, 944.
- Biggam, A. G., 923.
- Bignami, G., 395.
- Biliary colic in routine cholecystography, I. Gray and M. J. Matzner (abstract), 97.
- Biliary tract visualization with radiopaque oils, R. H. Overholt (abstract), 613.
- Billich, H. U., 416.
- Billroth, Theodor, 144.
- Binger, Carl A. L., 707, 718.
- Binkley, George E., 588.
- Binks, W., 4, 5, 7, 8.
- Binz (cited), 108, 794, 972.
- Biopsy, 437, 641.
- Birkett, G. E., 587, 588, 590.
- Birnbaum (cited by H. Brunn and S. Brill), 608.
- Birth traumatism as factor in urinary infection, F. S. Patch (abstract), 107.
- Birthmarks and their treatment, G. Andrén (abstract), 932.
- Bischoff, F., 706, 707, 718.
- Bishop, W. W., 384.
- Bittorf, A., 330, 333.
- Björling, E., 784.
- Blackberg, S. N., 998.
- Bladder, cancer of, Radical treatment of, R. C. Coffey (abstract), 89.
- Bladder tumor pathology, Clinical application of, P. W. Aschner (abstract), 790.
- Bladder, urinary, Consideration of surgical procedures in treatment of malignant disease of, V. C. Hunt (abstract), 797.
- Blaine, Edward S., 978.
- Blanchard, L. H., 335, 338.
- Blankenhorn, M. A., 804.
- Blasius (cited by A. Steindler), 983.
- Bloch, Leon, 625.
- Blöcher, Mrs. J. F., Head clamps for fenestrated shield for roentgenography of nasal accessory sinuses, 554.
- Blood cholesterol in malignant disease, Further studies of effect of radiation on, W. L. Mattick and M. C. Reinhard (abstract), 575.
- Blood injuries following roentgen irradiation with old treatment technic and ray-proof Metalix tubes, Comparative studies of, W. Fürst (abstract), 575.
- Blood of radiologists, Researches on, J. Lavedan (abstract), 573.
- Blood phagocytes in irradiated guinea pigs, Behavior of, L. Pincussen (abstract), 574.
- Blood pressure, Fluctuations of, following X-ray treatment and clinical significance, H. Pausdorf and W. Nell (abstract), 574.
- Blood serum, diagnosis of carcinoma from, Some notes on, H. M. Jamieson (abstract), 584.
- Blood sugar regulation under influence of roentgen rays, A. Held (abstract), 411.
- Blood supply, interference with, Production of hypertrophic arthritis by, A. D. Goldhaft, L. M. Wright, and R. Pemberton (abstract), 975.
- Blood supply of gall bladder, A. Rubascheva (abstract), 97.
- Blood vessels, Uroselectan in demonstration of (vasography) and especially of varicosities, M. Ratschow (abstract), 609.
- Blood vessel visualization, New method of (arteriography, veinography, angiography), M. Saito, K. Kamikawa, and H. Yanagizawa (abstract), 608.
- Bloodgood, Joseph C. (portrait), facing 111, 137, 179, 191, 200, 202, 210, 214, 215, 219, 220, 223, 232, 391, 649, 653, 663, 664, 671, 672, 678, 679, 685, 693, 694, 754, 757, 769, 960.
- "Blue sclerae," 168.
- Blumensaat, Carl, 992.
- Blumenthal, Franz, 702.
- Boas, Harald, 578.
- Boddin (cited by L. B. Dickey), 1029.
- Boeck's sarcoid, 328-333.
- Boeminghaus, H., 923.
- Bogan, I. K., 495, 507.
- Bogan, M. E., 802.
- Böhm, Alexander, 1021.
- Böhm, J., 779.
- Böhmer, Lothar, 805, 838.
- Boice, Edmund S., 90.
- Boils and carbuncles, Treatment of, by roentgen rays, E. T. Leddy and S. A. Morton (abstract), 411.

- Boine, J., 1000.
- Boldingh, W. Hondius, 406, 571.
- Bollman, Jesse L., 719.
- Bolton, Charles, 481, 482.
- Bonanno, A. M., 407.
- Bond, W. N., 302.
- Bone abscess (Brodie), chronic, Two cases of unusual localization of, A. Mariupolsky (abscess), 579.
- Bone, callus in, Relationship between hypophysis and formation of: experimental study, A. Spinelli and F. Talia (abstract), 577.
- Bone, carcinomatous metastasis of, Value of roentgenotherapy in, A. Ratti (abstract), 414.
- Bone changes, atypical, in osteitis chronica deformans Paget, Contribution to question of, G. Bastian (abstract), 405.
- Bone changes in chronic empyema, case of, T. Dale (abstract), 575.
- Bone changes in Hodgkin's disease, K. Kremser (abstract), 804.
- Bone cysts, A. R. Colvin, 683.
- Bone cyst of patella, Final report on case of, Wallace H. Cole, 752.
- Bone diseases of adolescence, deforming, A. L. Gray (abstract), 84.
- Bones, diseases of, benign and malignant, Roentgenological differentiation of, R. Kienböck (abstract), 577.
- Bone fragility, 166, 168, 170.
- Bones, hands and feet, of, An X-ray and clinical study of, Max Kahn, 211.
- Bone, infections of, 136, 137.
- Bone lesions in tardive heredosyphilis, E. P. Pendergrass, R. L. Gilman, and K. B. Castleton (abstract), 978.
- Bone lesions of fingers, infective, Conservatism in treatment of, L. H. McKim (abstract), 981.
- Bone lesions of lower radius, Robert Lee Oliver, 245.
- Bone, lesions of, Working rules for, C. F. Geschickter (editorial), 288.
- Bone lesions, rare, 222.
- Bones, long, of hand and foot, Cysts of, H. Platt (abstract), 984.
- Bone marrow, Experimental studies concerning effect of roentgen rays on (II), A. Casati (abstract), 994.
- Bone metastases: study of 334 cases, M. M. Copeland, 198.
- Bone metastasis, X-ray treatment of, C. B. Rose, 536.
- [Bone] Osseous development, normal, Roentgenographic studies in, E. K. Shelton (abstract), 979.
- Bone, Paget's disease of, Harvey Smith, 694.
- Bone Sarcoma Registry, 639, 641, 643, 646-653, 664, 694. *See also* American College of Surgeons and Codman, E. A.
- Bone, semilunar, Kienböck's disease of, N. Porro (abstract), 577.
- Bone suppuration and renal calculi in children, M. C. Borman (abstract), 793.
- Bone, syphilis of, 137, 140, 141, 146, 147, 149. *See also under* Syphilis.
- Bone, syphilis of, Congenital: case report, L. R. Lingeman, 953.
- Bone, tuberculosis of, 137, 139, 140, 147, 149.
- Bone tumors among ex-service men, Study of, P. B. Matz, 664.
- [Bone tumor] Bone case, Obscure, I. S. Trostler, 949.
- Bone tumors, Giant-cell: four cases successfully treated by roentgen rays, L. T. LeWald (abstract), 84.
- Bone, tumors of, Giant-cell: clinical, histological, and radiotherapeutic study, H. Lacharité (abstract), 84.
- Bone tumors, primary, of extremities, Pathological fractures in, B. L. Coley and G. S. Sharp (abstract), 581.
- Bone tumors, Roentgenologic diagnosis of, C. F. Geschickter, 111-180.
- Bone tumors, Treatment of, E. I. Bartlett (abstract), 985.
- Bonniot, A., 923.
- Book reviews, 76-79, 394, 395, 564, 565, 773, 965-970.
- Boquel, G., 923.
- Bordeaux (France), University of, post-graduate courses, 392.
- Bordier (cited by G. Harker), 783.
- Borman, C., 995.
- Borman, Milton C., 793.
- Bortz, Edward L., 624.
- Bortz (cited by H. Smith), 695.
- Botreau-Roussel (cited by W. W. Belden), 923.
- Bouwers, A., 29, 353-358, 571.
- Bouwers, A., "Quality" of X-ray tube and how to measure it, 353. *See other references.*
- Bowen (cited by H. Brunn and S. Brill), 608.
- Bowen's disease, 443.
- Bower, J. O., 52, 58, 546, 833.
- Bowker, John, 384.
- Bowman, William B., 70, 923.
- Boyd, Julian D., 1016.
- Boyd, William, 87.
- Braasch, William F., 108, 795, 1004, 1005, 1007.
- Bradbury, L. A., 480, 482.
- Bradford, E. H., 242.
- Brady, James Buchanan, Foundation of Urology of New York Hospital, 795.
- Braekken, H., 593.
- Braestrup, Carl B., 773.
- Bragg, J. S., 764.
- Bragg, W. H., 360, 465, 597.
- Brailsford, James F., 923.
- Brain, fixed lesions of, Encephalography in cases with, B. Crothers, E. C. Vogt, and R. C. Eley (abstract), 423.
- Brain tumor, Indirect signs of, as noted in routine roentgen examinations: displacement of pineal shadow: survey of 3,000 consecutive skull examinations, C. G. Dyke (abstract), 424.
- Brain tumor, roentgen treatment of, Further experience with, K. Backmund (abstract), 414.
- Brams, William A., 802.
- Braun, H., 480, 482.
- Braun, R., 411.
- Braunbek, Werner, 781.
- Braunlich, George, 924.
- Brdiczka, I. G., 602.
- Breast, Adenocarcinoma of: Case report: Six-year interval following amputation of breast—final general osseous metastasis, G. S. Foster, 759.
- Breast, Cancer of, E. S. Boice (abstract), 90.
- Breast, Cancer of, A. Soiland (abstract), 587.
- Breast, cancer of, early, Diagnosis and treatment of, W. L. Hearst (abstract), 582.
- Breast, cancer of, Place of X-rays in treatment of malignant disease, with especial reference to, F. Hernaman-Johnson (abstract), 1017.
- Breast, carcinoma of, Diagnosis and treatment of, W. C. White (abstract), 986.
- Breast, carcinoma of, Radium treatment of primary, G. Keynes (abstract), 1015.
- Breast, carcinoma of, Roentgen treatment of metastasis to vertebrae and bones of pelvis from, E. T. Leddy (abstract), 811.

- Breast, Roentgenologic study of, S. L. Warren (abstract), 696.
- Breast, Treatment of advanced cancer of, William F. MacFee, 687.
- Breitschneider (cited by E. Zweifel), 585.
- Brenzinger, M., 77.
- Bressot, E., 924.
- Brettauer (cited), 585.
- Brewer, George, 1007.
- Brichteau (cited), 1011.
- Briggs, W. T., 234, 242.
- Brill, R., 780.
- Brill, Selling, 494, 507, 607.
- British Empire Cancer Campaign, Report of, to House of Lords, 366, 368.
- "Brittle bones," 168.
- Brock, R. C., 480, 482.
- Broders, Albert C., 660, 663, 687, 693, 891.
- Brodie, B., 133, 179.
- Brodie, Robert, 704.
- Brodie's abscess, 129, 130, 133-136, 139, 140, 579.
- Bromer, Ralph S., 409, 989.
- Bronchiectasis: analysis of 51 cases, W. W. Priddle (abstract), 601.
- Bronchiectasis, Differential diagnosis of pulmonary tuberculosis, lung abscess and, F. P. McNamara (abstract), 823.
- Bronchography—passive technic, F. H. Cooley (abstract), 599.
- Bronchomycosis: report of 2 cases, W. R. Stokes, E. F. Kiser, and W. H. Smith (abstract), 604.
- (Bronchopneumonia) lobular pneumonia, Roentgenologic appearance of, N. W. Potte (abstract), 94.
- Bronchus, Adenocarcinoma of, with widespread metastases: case report, W. S. Middleton, E. A. Pohle, and G. Ritchie, 945.
- Bronner, H., 792.
- Brooke, Charles R., 29.
- Brooklyn Roentgen Ray Society, 73.
- Brooks, C. D., 65.
- Brooks (cited by L. S. Taylor), 894.
- Brown, Lawrason, 1030.
- Brown, Philip King, 615.
- Brown, Ralph C., 625.
- Brown, Richard Mark, 70.
- Brown, Samuel, 428, 429, 990.
- Brown (cited by C. E. Weaver), 64.
- Brubaker, Albert P., 507.
- Brunn, H., 494, 507.
- Brummer, K., 835.
- Brunn, Harold, 607.
- Brunschwig, Alexander, 995.
- Bryan, Lloyd, 831.
- Buchholz (cited by E. Zweifel), 585.
- Buckingham, William W., 991.
- Buckley (cited by E. H. Funk), 582.
- Bucky, Gustav, 697-699, 702, 703, 797.
- Budapest, Second University Clinic for Women at, Development of gynecological roentgen therapy during past ten years in, F. Gál (abstract), 400.
- Bueerman, W. H., 855.
- Buell, Blinn A., 563.
- Bugbee, Henry G., 1003.
- Buisson, H., 835.
- Buisson, Mario, 617.
- Buisson, Paolo, 617.
- Bulger, Harold A., 431.
- Bull, William T., 627.
- Bumpus, Hermon C., Jr., 204, 210, 790.
- Bunting, C. H., 450, 459.
- Burby, J. J., 302, 317.
- Burckhardt, Hans, 924.
- Burdick, Alfred S., 74.
- Burgheim, F., 417.
- Burgheim (cited by R. Hummel), 806.
- Burill (cited by W. W. Belden), 925.
- Buschke, Abraham, 703, 807.
- Büssem, Wilhelm, 597.
- Bustos, Fernando M., 924.
- Büttner, K., 806.
- Buxton, B. H., 628.
- Buzzi, Alfredo, 924.
- Cabot, Hugh, 602.
- Cabot, Richard C., 480, 482.
- Cade, Stanford, 586-588, 591, 800, 887, 891.
- Cade (cited by W. W. Belden), 924.
- Cahen, Roger, 704.
- Cailliet, O. R., 712, 719.
- Cain, M. A., 60.
- Cain, R. M., 74.
- Calcification, intracranial, with particular reference to that occurring in gliomas, C. B. Courville and L. J. Adelstein (abstract), 818.
- Calcium in connective tissue, Unusual deposition of, M. Cohn and Freye (abstract), 417.
- Caldwell (cited by J. G. Hunt), 817.
- California and Western Medicine, cited, 59.
- California Institute of Technology, experimental tube developed at, 300.
- California, University of, 379.
- Callahan, James J., 82.
- Callender, George R., 598.
- Calvé, Jacques, 1025.
- Cameron, H. C., 242.
- Camp, Carl D., 818.
- Camp, John D., 422, 564, 847-855.
- Camp, John D., Roentgenologic significance of pyloric and prepyloric deformities, 847. *See other references.*
- Campbell, A. M., 335, 338.
- Campidol (iodized rapeseed oil), 614.
- Campidol (iodized rapeseed oil): use in roentgenographic visualization of body cavities, M. A. Glaser (abstract), 992.
- Canadian Medical Association, 563.
- Canadian Radiological Society, 1014.
- Canavero, Gioachino, 924.
- [Cancer] Adenocarcinoma of breast: Case report: Six-year interval following amputation of breast—final general osseous metastasis, G. S. Foster, 759.
- Cancer, advanced, Clinical evaluation of radium and roentgen therapy in, with various combinations of wave lengths, B. P. Widmann and J. L. Weatherwax (abstract), 585.
- [Cancer] Cancerous moles, S. J. Wilson (abstract), 988.
- Cancer Commission of League of Nations, 366, 368.
- Cancer development, On mechanism of, H. Oertel (abstract), 86.
- Cancer, Diagnosis of, F. C. Wood (abstract), 583.
- Cancer, Intra-oral, and treatment, A. Soiland and O. N. Meland (abstract), 91.
- Cancer, intra-oral, Treatment of, with special reference to radium therapy, D. Quick (abstract), 591.
- Cancer of bladder, Radical treatment of, C. Coffey (abstract), 89.
- Cancer of breast, E. S. Boice (abstract), 90.
- Cancer of breast, A. Soiland (abstract), 587.
- Cancer of breast, early, Diagnosis and treatment of, W. L. Hearst (abstract), 582.
- Cancer of breast, Place of X-rays in treatment of malignant disease, with especial reference to, F. Hernaman-Johnson (abstract), 1017.
- Cancer of breast, Treatment of advanced, William F. MacFee, 687.

- Cancer of cervix, Pelvic irradiation in, P. Findley (abstract), 987.
- See also* Cancer of uterine cervix and Cancer of uterus.
- Cancer of esophagus: analysis of 82 cases, E. P. McCullagh (abstract), 589.
- Cancer of lip, tongue, and skin: Ministry of Health report, J. Lane-Clayton (abstract), 987.
- Cancer of mouth and lips, Radiation therapy in treatment of, J. M. Martin, 881.
- Cancer of mouth, Radiation therapy in, with especial reference to use of pure gamma rays, G. E. Pfahler and J. H. Vastine (abstract), 988.
- Cancer of nose, larynx, and esophagus, Radium therapy in, H. M. Moran (abstract), 808.
- Cancer [of rectum], treatment of, Factors influencing, G. E. Binkley (abstract), 588.
- Cancer of stomach, Diagnosis and treatment of, P. Riddle (abstract), 582.
- Cancer of stomach, gastric retention, Great, and dilatation of stomach in cases of gastroduodenal ulcer and, T. Klason (abstract), 614.
- Cancer of stomach, Radiological signs of early, A. Salotti (abstract), 86.
- Cancer of tongue, Radium and surgery in, D. Quick (abstract), 592.
- Cancer of tongue, Radium treatment of (symposium), Stanford Cade (abstract), 587.
- Cancer of tongue, Radium treatment of, S. Cade (abstract), 591.
- Cancer of uterine cervix and breast, Treatment of, by radium and deep therapy X-ray, with 7-, 5-, and 3-year end-results, B. Hunt (abstract), 987.
- Cancer of uterus, Organization and efficiency in fight against, Cl. Regaud (abstract), 85.
- Cancer problem, Present status of, C. C. Little (abstract), 986.
- Cancer, prognosis in, Principles of, W. C. MacCarty (abstract), 460.
- Cancer treatments given without direct irradiation of heart: Far-reaching effects of gamma rays and short X-rays upon human heart, J. E. Gendreau (abstract), 802.
- [Cancer] Urinary bladder, Consideration of surgical procedures in treatment of malignant disease of, V. C. Hunt (abstract), 797.
- Cancer, What shall we teach public in regard to, and how shall we present it? D. T. Quigley, 369.
- Cancer, What should be done about it? H. J. Ullmann, 365.
- Cancer. *See also* Carcinoma, Malignancy, Tumor, etc.
- Canti film, 407.
- Canti, R. G., 407.
- Capp, Charles S., 982, 1000, 1012, 1024.
- Cappelli, Luigi, 806.
- Carbuncles and boils, Treatment of, by roentgen rays, E. T. Leddy and S. A. Morton (abstract), 411.
- Carbuncle, Renal, T. D. Moore (abstract), 1005.
- Carcinoma, bronchial, primary, Clinical manifestations of, E. H. Funk (abstract), 581.
- Carcinoma, buccal, radium treatment of, Principles of and some results in, G. E. Birkett (abstract), 590.
- [Carcinoma] Carcinomatous metastasis of bone, Value of roentgenotherapy in, A. Ratti (abstract), 414.
- Carcinoma, cervical, Pregnancy after radium therapy for: Cesarean hysterectomy at eighth month, G. B. Contardo (abstract), 1009.
- Carcinomata, cutaneous, Efficacy of radium therapy in advanced cases of, F. Perussia (abstract), 407.
- Carcinoma, diagnosis of, from blood serum, Some notes on, H. M. Jamieson (abstract), 584.
- Carcinoma, mammary, Deep roentgen-ray therapy of. II.—Five-year results: Value of method as auxiliary to surgical procedures in the operable and as a primary procedure in the inoperable cases, W. A. Evans and T. Leucutia (abstract), 812.
- Carcinoma, metastatic, to bone, 155-157, 172-175.
- Carcinoma, mice with, studies on (Maximum dose, fractional treatment, or saturation method?), J. Juul (abstract), 784.
- Carcinoma, Multiple X-ray, following psoriasis: Case report and comment, H. Goodman and C. W. Price (abstract), 818.
- Carcinoma of breast, Diagnosis and treatment of, W. C. White (abstract), 986.
- Carcinoma of breast, Radium treatment of primary, G. Keynes (abstract), 1015.
- Carcinoma of breast, Roentgen treatment of metastasis to vertebrae and bones of pelvis from, E. T. Leddy (abstract), 811.
- Carcinoma of cervix, microbial flora of, and their importance in radiotherapy, Study of, R. Vincent and O. Monod (abstract), 89.
- Carcinoma of cervix uteri, C. O. Bailey (abstract), 588.
- Carcinoma of cervix uteri, treatment of, Present status of, E. Zweifel (abstract), 584.
- See also* Carcinoma of uterine cervix and Carcinoma of uterus.
- Carcinoma of colon, Rôle of X-ray in diagnosis of, L. B. Morrison (abstract), 86.
- Carcinoma of lungs and bronchi, Primary, E. V. Goltz (abstract), 583.
- Carcinoma of lung, primary, notes on pathology of W. Boyd (abstract), 87.
- Carcinoma of pylorus, early, Contribution to diagnosis of, H. Meyer-Borstel (abstract), 986.
- Carcinoma of rectum, Skeletal metastases from: report of eight cases, A. H. Aufses (abstract), 986.
- Carcinoma of skin, Cosmetic results of electrocoagulation and radium treatment, especially of, A. Buschke and L. Loewenstein (abstract), 807.
- Carcinoma of stomach, Early diagnosis of, L. G. Rigler (abstract), 998.
- Carcinoma of thymus, with extensive metastases, in new-born child, Case of, G. V. Bedford (abstract), 582.
- Carcinoma of tongue, Treatment of, M. Friedman (abstract), 587.
- Carcinoma of ureter, Primary, H. J. Lindner, R. D'Aunoy, and R. J. Mailhes (abstract), 583.
- Carcinoma of uterine cervix, Radiotherapy of, at Radium Institute of Paris, A. Lacassagne (abstract), 88.
- Carcinoma of uterine cervix, Rational treatment of, W. Long (abstract), 987.
- Carcinoma of uterus, body of, Treatment of, W. Neill, Jr. (abstract), 590.
- Carcinoma of uterus, Systemic changes in patients with, following roentgen and radium treatment, E. O. Gaessler (abstract), 89.
- Carcinomata [of uterus] treated with radium, Bacterial flora in, A. M. Bonanno (abstract), 407.
- Carcinoma patients, Diet of, W. Caspari (abstract), 587.
- Carcinoma, radiation therapy in, with fractional doses, Present methods and results of, L. Freund (abstract), 415.
- Carcinoma, radiation therapy of, Auxiliary methods in, H. Hirsch (abstract), 415.
- Carcinoma, radiation treatment of, Present methods

- of, and results (III): saturation method of Pfahler and Kingery, H. Holfelder (abstract), 589.
- Carcinomas, Roentgen diagnosis of inflammatory lesions of colon and their differentiation from, H. Pansdorf (abstract), 100.
- Carcinoma, treatment of, Modern methods in, F. B. Gurd (abstract), 585.
- Carcinoma, Uranium-thorium colloid in treatment of, G. T. Pack and F. W. Stewart (abstract), 591.
- Carlson, H. A., 995.
- Carman, Russell D., 484, 485, 619, 1007.
- Carnett, J. B., 690, 693.
- Carpenter, C. M., 711, 719, 736.
- Carter, Edgar B., 74.
- Carter, L. J., 44-46, 86, 87, 103, 105, 108, 402, 422, 426, 430, 564, 582, 587, 588, 590, 592, 593, 603, 604, 612, 790, 816, 817, 827, 829, 830, 944, 945, 981, 996, 1000, 1004, 1006, 1007, 1010, 1015, 1029.
- Carter, L. J., Further report on X-ray treatment of menorrhagia of menopause and uterine fibroids, 44-46. *See other references.*
- Carter, L. J., X-ray treatment of essential hematuria: case report, 944. *See other references.*
- Carter, Vandyck, 980.
- Carty, John R., 553, 571, 575, 587, 591, 611.
- Cary, N. Austin, 978.
- Casati, Annibale, 994.
- Case, James T., 37, 334, 335, 338, 620, 834, 974.
- Casellas, Pedro R., 92, 427.
- Casolo, G., 924.
- Caspari, W., 587.
- Castellani (cited), 417, 604, 605.
- Castellino, Pietro G., 817.
- Castle (cited by J. S. McLester), 100.
- Castleton, Kenneth B., 978.
- Cathalorda, J., 925.
- Caustics for cancer, 438.
- Cazanove (cited by W. W. Belden), 926.
- Cazzamali, P., 459.
- Cecum and ascending colon, Stasis of, L. D. Johnson (abstract), 618.
- Central New York Roentgen Ray Society, 563.
- Cerebral falx, Calcification of, G. Balestra (abstract), 818.
- Cerebral falx, Trauma and calcification of, G. Betocchi (abstract), 423.
- Cerny (cited by R. N. Delitch), 377.
- Chadwick, Henry D., 433.
- Chaievitch, S. S., 427.
- Chalkley, H. W., 710, 718.
- Chamberlain, W. Edward, 4, 575.
- Chambers (cited by C. F. Geschickter), 145.
- Chaperon, C., 925.
- Chapin, H. A., 940.
- Charcot, Jean M., 983.
- Charles, Donald R., 710, 718.
- Chastenet de Géry, P., 927.
- Chaton, M., 924.
- von Chausser (cited by H. I. Teperson), 334.
- Chenault, H. Clay, 793.
- Chernosky, W. A., 810.
- Chesney, Alan M., 391.
- [Chest] Atelectasis, post-operative pulmonary: consideration of some factors in etiology, prevention, and treatment, H. Brunn and S. Brill (abstract), 607.
- [Chest] Congenital pneumothorax: review of literature and report of case, J. Stein (abstract), 92.
- [Chest] Empyema perforating into bronchus, Posterior mediastinal, Q. Vischia (abstract), 95.
- [Chest] Fibrinous pneumonia, with partial lobar consolidation, M. Viamonte (abstract), 92.
- Chest in rachitic children: roentgenologic study, R. S. Bromer (abstract), 989.
- Chest, lateral, clinical and roentgenologic value of, C. H. Warfield (abstract), 600.
- Chest, Localized pneumothoraces as cause of annular shadows in roentgenograms of, W. P. Warner (abstract), 601.
- [Chest] Lymphangitis, carcinomatous pulmonary, Contribution to diagnosis of, E. Lucas and H. Pollack (abstract), 87.
- Chest of new-born infant, Roentgen appearance of, J. T. Farrell, Jr. (abstract), 94.
- [Chest] Phrenicectomy on pulmonary cavitation, Effect of, W. I. Werner and E. J. O'Brien (abstract), 606.
- [Chest] Post-operative pulmonary hypoventilation, R. H. Overholt (abstract), 605.
- [Chest] Pulmonary suppuration, Internal drainage, its application in, W. B. Faulkner (abstract), 607.
- [Chest] Roentgenological appearance of interlobar and mediastinal encapsulated effusion in thorax, Eugene Freedman, 14-29.
- Chiari (cited by J. F. Le Cocq), 977.
- Child, Charles M., 336, 338.
- Child Research Council, University of Colorado Medical School, 499.
- Childhood, Intravenous urography in diagnosis of urological diseases of, A. Hyman (abstract), 105.
- Children, Acute ulcerations of stomach in, B. R. Shore (abstract), 614.
- Childs, Donald S., 59-64, 83, 105, 106, 109, 614, 792, 832, 974.
- Childs, Donald S., Tumor involving lymphoid tissue, 59-64. *See other references.*
- Chipault (cited by A. Steindler), 983.
- Chizzola, Giuliano, 96, 98.
- Cholecystitis, acute experimental, effect of, on emptying of gall bladder, G. T. Murphy (abstract), 97.
- Cholecystitis and cholecystography, H. Smith (abstract), 612.
- Cholecystographic diagnosis of papillomas of gall bladder, B. R. Kirklin (abstract), 786.
- Cholecystography: analysis after 6½ years' application, S. Moore (abstract), 612.
- Cholecystography, Biliary colic in routine, I. Gray and M. J. Matzner (abstract), 97.
- Cholecystography by means of oral administration of dye, B. Thom (abstract), 786.
- Cholecystography, Cholecystitis and, H. Smith (abstract), 612.
- [Cholecystography] Gall-bladder visualization in jaundiced patients, H. Rudisill (abstract), 786.
- Cholecystography, Intravenous, and liver function determination: clinical and roentgenological values, S. R. Miller and C. A. Waters (abstract), 785.
- Cholecystography: review of 34 cases, with operative findings, D. B. Harding (abstract), 995.
- Chondrodysplasia, hereditary deforming, 162.
- Chondromas, 158, 159, 182, 237, 247.
- Chondromatosis of joints, Contribution to, Hofmann (abstract), 581.
- Chondromyxoma, 211.
- Chondromyxosarcoma, 251.
- Chondromyxosarcoma, secondary, 145.
- Chondrosarcoma of os calcis, 240.
- Chondrosarcoma, primary, 119, 124.
- Chondrosarcoma, secondary. *See Myxosarcoma.*
- Christen, Half value layer meter of, in new form, H. T. Schreus (abstract), 571.
- Christen (cited by M. M. Schwarzschild), 861.

- Christensen, F. C., 50, 244.
 Christian, S. L., 638, 644, 653.
 Christian's syndrome, 414.
 Christie, Ronald V., 707, 709, 710, 717, 718.
 Chromium trichloride, Structure of, N. Wooster (abstract), 783.
 Chubb, L. W., 893.
 Chute (cited by G. S. Foulds), 1003.
 Clairmont, P., 14, 28.
 Clap, L., 924.
 Clark, George L., 76, 322, 326, 327.
 Clark, Harry, 327.
 Clark, Jefferson H., 833.
 Clark, J. H., 52, 58.
 Clark, W. C., 627.
 Clarkson, Wright, 491, 813.
 Clavicle, Lesions of, H. S. Anderson, 181.
 Clement, Gage, 73.
 Cleveland clinic, 589.
 Clifton, Harry C., 270.
 Clinical Orthopedic Society, 921.
 Clinton, W. R., 65.
 Cloud, Albert W., 690, 693.
 Clough, S. DeWitt, 75.
 Cluzet, —, 960.
 Coates, H. W., 827.
 Coblenz, W. W., 736, 737, 743, 836, 838.
 Codman, E. A., 664, 694.
 Coe, F. O., 814.
 Coffey, Robert C., 89.
 Cogswell, Samuel, 761, 763, 764.
 Cohen, Joseph, 402.
 Cohn, L. Clarence, 182, 187-197, 215, 246.
 Cohn, L. Clarence, Non-suppurative osteomyelitis, 187. *See other references.*
 Cohn, Max, 417.
 Cohn, Willi M., 780.
 Colby, Fletcher H., 104.
 Cole, Lewis Gregory, 961.
 Cole, Wallace H., Final report on case of bone cyst of patella, 752.
 Coley, Bradley L., 581, 627, 636, 637, 648.
 Coley, William B., 145, 179, 627-656.
 Coley, William B., Endothelial myeloma or Ewing's sarcoma, 627. *See other references.*
 Coley's serum (or toxins), 203, 208, 627-656, 671-673, 677.
 Colic, Biliary, in routine cholecystography, I. Gray and M. J. Matzner (abstract), 97.
 Colitis, chronic, Radiological aid in study of, A. Gavazzeni (abstract), 100.
 Colitis, ulcerative, and bloody diarrhea, Psychogenic factors in etiology of, C. D. Murray (abstract), 616.
 Colitis, ulcerative, contribution to roentgenologic diagnosis of: Roentgenologic demonstration of mucosa by means of umbrathor, H. Regelsberger (abstract), 95.
 Colitis, ulcerative, roentgenologic diagnosis of, Contribution to, H. J. Teschendorf (abstract), 622.
 Coll de Carrera (cited by W. W. Belden), 929.
 Colla, C., 596.
 Colle, Guido, 924.
 Collen, Paul, 925.
 Collins, J. N., 772.
 Collins (cited by R. H. Jamieson and F. Hernaman-Johnson), 810.
 Colographic, double contrast, studies of ileocecal tuberculosis, 432.
 Colon, ascending, Stasis of cecum and, L. D. Johnson (abstract), 618.
 Colon, carcinoma of, Role of X-ray in diagnosis of, L. B. Morrison (abstract), 86.
 [Colon] Colonic diverticula, Roentgenological aspect of various types of, W. O. Upson and A. E. MacGregor, 30-37.
 Colon, consideration and cure of, Present, J. A. Lichty (abstract), 1000.
 Colon, inflammatory lesions of, and their differentiation from carcinomas, Roentgen diagnosis of, H. Pansdorf (abstract), 100.
 Colon, Irritable, J. Muir (abstract), 616.
 Colon studies: VI.—Cecal stasis: clinical significance and relation to proximal colon stasis, J. L. Kantor, S. Schechter, and J. A. Marks (abstract), 101.
 Colon, tumors of, and non-recognized invagination of tumor, Forcing demonstration of canalization in, A. W. Fischer (abstract), 830.
 Colon. *See also under Intestines.*
 Color changes produced by roentgen rays in some aqueous solutions: considered for dosage measurements and for detection of effects of radiation on other chemical compounds, W. Stenstrom and A. Lohmann, 322.
 Colvin, Alexander R., Bone cysts, 683.
 Colwell, N. P., 729.
 Compere, Edward L., 1016.
 Compton, Arthur H., 302, 305, 361, 473, 474, 523.
 Conklin, C. B., 391.
 Conley, Arthur H., 82.
 Conner, H. Milton, 485.
 Connor, Charles L., 179, 639, 643, 655, 985.
 Contrado, G. B., 1009.
 Conte, Ettore, 406, 416, 837.
 Cooley, F. H., 599.
 Coolidge, W. D., 703.
 Cooper, John E., 334, 335, 338.
 Cooper, T. Valentine, 827.
 Cooperman, Morris B., 924.
 Copeland, Murray M., 153, 159, 179, 180, 182, 185, 198-210, 214, 215, 220, 223, 283, 287, 649, 667, 678, 679, 828.
 Copeland, Murray M., Bone metastases: study of 334 cases, 198. *See other references.*
 Copher, Glover H., 478.
 Cordes, E., 244.
 Cork, J. M., 593.
 Corning (cited by Eugene Freedman), 14, 15.
 Cornu (cited by H. Seemann), 780.
 Coryllos (cited by H. Brown and S. Brill), 608.
 Costantini (cited by W. W. Belden), 924.
 Coster, D., 780.
 Costolow, William E., 90, 558.
 Cottalorda, J., 924.
 Cotton, Frederic J., 577, 657-659.
 Cotton, Frederic J., Osteitis fibrosa, 657. *See other reference.*
 Coues, W. P., 234, 242.
 Coulaud, E., 52, 58.
 Coulter, John S., 737-744, 926.
 Coulter, John S., and Smith, Edwin M., Jr., Clinical applications of ultra-violet rays, 737.
 Coureaud (cited by W. W. Belden), 924, 926.
 Courville, Cyril B., 818.
 Coutard (cited by A. Kahlstorf and A. Zuppinger), 812.
 Couturat (cited by W. W. Belden), 925.
 Covell, W. P., 336, 339.
 Cramer, H., 412.
 Crane, Jay J., 105.
 Craver, Lloyd F., 58, 813, 1018.
 Crespellani, Carlo, 404.
 Creyssel, Jean, 924.
 Crile, George W., 627, 643.
 Crocker Laboratory, New York, 300.
 Crockett, R. H., 812.

- Crothers, Bronson, 423.
 Crowther, J. A., 783.
 Crowther, J. C., 302.
 Cruveilhier (cited by E. Devic, P. Savy, and E. Freedman), 25.
 Crystal lattice of iron silicide, FeSi , H. Möller (abstract), 594.
 Crystals, naphthalene and anthracene, Orientations of molecules in, N. Banerjee (abstract), 593.
 Crystal structure, Classification system of the silicates based upon, St. v. Náray-Szabó (abstract), 782.
 Crystal structure of cadmium chloride, L. Pauling and J. L. Hoard (abstract), 595.
 Crystal structure of cementite, S. B. Hendricks (abstract), 597.
 Crystal structure of Fe_3P , Fe_2N , Fe_2N , and FeB , S. B. Hendricks and P. R. Kosing (abstract), 597.
 Crystal structure of normal paraffins, S. H. Piper and T. Malkin (abstract), 596.
 Crystal structure of normal paraffins at temperatures ranging from that of liquid air to melting points, A. Müller (abstract), 596.
 Crystal structure of silver cyanide, H. Braekken (abstract), 593.
 Crystalline structure of hydrogen sulfide and hydrogen selenide (II), G. Natta (abstract), 595.
 Crystalline structure of rubidium azide, L. Pauling (abstract), 779.
 Cubbins, William R., 82.
 Cumberbatch, Elkin P., 965.
 Cumming, Hugh S., 391.
 Cumming, Robert E., 1007.
 Cunningham, Daniel J., 507.
 Cunningham, Lester W., 485, 924.
 Coquelet, Oct., 924.
 Curie Institute, Paris, 299, 573.
 Curie, Mme., 960.
 Cutler, Max, 891.
 Cutter, William D., 75.
 Cyriax, Edgar F., 924.
 Cystic duct, double, Double gall bladder with, R. Hayes, 66.
 Cysts, bone, 129, 131, 134, 157, 182, 214, 237, 248, 283, 683.
 Cysts, Bone, Alexander R. Colvin, 683.
 Cyst, dental root, 218.
 Cyst, dentigerous, 220.
 Cysts, dermoid, and splenic calcifications, Discussion of opaque formations in abdomen with special regard to, A. Vallebona (abstract), 828.
 Cysts of long bones of hand and foot, H. Platt (abstract), 984.
 Cysts, renal, Solitary serous, with study of roentgen observations, R. Herbst and W. J. Vynalek (abstract), 1008.
 Czerny, Vincenz, 480, 482.
 Dale, T., 575.
 Dall'Acqua, Virgilio, 99.
 Daly, Joseph, 855.
 Dandy, Walter E., 819, 1024.
 Danforth, R. S., 732, 736.
 Dann, David S., 402.
 Darbois, P., 927.
 Darier-Roussy sarcoïd, 328.
 Darnell, Carl, 711.
 D'Arsonval, A., 708, 718, 1015.
 Daugherty, Robert L., 352.
 D'Aunoy, Rigney, 583, 830.
 Dautwitz, Fritz F., 810.
 Dauvillier, A., 3, 4, 8, 39, 703.
 Davidson, William B., 603.
 Davies, Morriston, 602.
 Davis, George G., 162, 179, 924.
 Davis, Leon, 833.
 Deal, Don W., 924.
 Deaver, John B., 646.
 de Broglie (cited by S. Bhargava), 595.
 Debye, P., 780.
 Dejardin (cited by H. W. Wiese), 480, 482.
 Dekker (cited by W. W. Belden), 925.
 Delaware, Medical Society of, 75.
 Del Buono, Pietro, 703.
 Delchef (cited by W. W. Belden), 925.
 De Lee, Joseph B., 334, 335, 338.
 Delherm (cited by W. W. Belden), 925.
 Delitch, R. N., 377.
 Delprat, Jessie P., 824.
 Delsasso, Leo P., and Warner, Arthur H., Rugged, direct-reading iontoquantimeter of high sensitivity, 39-43.
 De Nobele (cited by F. C. Wood and G. M. MacKee), 704.
 Dermatitis herpetiformis, Spinal roentgen-ray therapy in, H. R. Foerster (abstract), 410.
 Dermatologic therapeutics: basic principles and technic, M. Scholtz (abstract), 421.
 Dermatology, Roentgen therapy in, IX (Principles of roentgenotherapy), E. A. Pohle (abstract), 419.
 Derr, John S., Epithelioma on bridge of nose: case report, 955.
 Desfosses (cited by W. W. Belden), 925.
 Desjardins, Arthur U., 73, 412, 565, 831, 968, 1018.
 Dessauer, Friedrich, 77, 969.
 Destot (cited by G. Rotolo), 576.
 Detroit Roentgen Ray and Radium Society, 392.
 De Vecchi, Luigi, 400.
 Devic, E., 25, 28.
 Devrient, William, Thyssen, Stephen, and Sokoloff, Boris, Migration of epinephrin in new apparatus for electrodiagnosis, 746.
 Dewis, John W., 270.
 DeWitt, C. H., 96, 104, 427, 584, 600, 616, 621, 826, 975, 1027, 1028.
 Diaphragm: clinical and roentgenological study, R. Pomeranz (abstract), 991.
 Diaphragm for complete elimination of secondary radiation, New, A. L. Soresi, 486.
 Diaphragm, position and activity of, Air in peritoneal cavity: effect on, R. H. Overholt (abstract), 994.
 Diaphragm, Post-operative behavior of, K. D. A. Allen, 492.
 Diaphragmatic hernia, Right, M. J. Geyman, 483.
 Diaphragmatic hernia, roentgenologic diagnosis of, Progressive in, A. B. Moore and B. R. Kirklin (abstract), 609.
 Diaphragmatic hernia, Very large, P. Eichler (abstract), 610.
 Diarrhea, bloody, Psychogenic factors in etiology of ulcerative colitis and, C. D. Murray (abstract), 616.
 Diathermy, dementia paralytica, with hyperpyrexia produced by, Treatment of, C. A. Neymann and S. L. Osborne (abstract), 993.
 Diathermy, Experiments with, 705.
 Diathermy in diagnosis, Use of, J. Arendt (abstract), 993.
 Diathermy in treatment of diseases of genito-urinary tract, Present status of electrosurgery and, A. G. Fleischman (abstract), 797.
 Dickey, Lloyd B., 1029.
 Dickson, B. R., 1021.
 Dickson, W. H., 480, 482.
 Diessl, Fritz, 925.

- Diet in chronic gastric ulcer (abstract), 622.
 Diet of carcinoma patients, W. Caspari (abstract), 587.
 Dieulafoy (cited by E. Devic, P. Savy, and E. Freedman), 25.
 Dillingham, Frederick H., 179.
 Diss, A., 928.
 Diverticula, colonic, Roentgenological aspect of various types of, W. O. Upson and A. E. MacGregor, 30-37.
 Diverticulum, Epibronchial, of esophagus in patient affected by gastric neoplasm, M. Muzii (abstract), 96.
 Diverticula of duodenum and of structures resembling such diverticuloids, Roentgenologic appearance of, R. Sandera (abstract), 102.
 Diverticula of thoracic portion of esophagus, C. H. Heacock (abstract), 96.
 Diverticula of urinary bladder in women: report of cases, J. J. Crane (abstract), 105.
 Diverticulitis of cecum, Solitary, A. Stewart (abstract), 996.
 Diverticulitis of colon, with special reference to acute perforations of sigmoid, R. W. Whitman (abstract), 997.
 Doan, Charles A., 803.
 Doan, Gilbert E., 461; joint-author, 508.
 Dodds, E. C., 938, 940.
 Donaldson (cited by K. Wilson), 807.
 Donaldson, Malcolm, 408.
 Donaldson, S. W., 384, 430, 959-961.
 Donaldson, S. W., Legal suggestions (editorial), 959.
 Dondale, M., 710, 718.
 Doornkaat-Koolman, Menna ten, 404.
 Dorcas, M. J., 736, 836.
 Dorland, W. A. N., 339, 562.
 Dorland, W. A. Newman, Rôle of radiography in maternity care (editorial), 562. *See other references.*
 Dorneich, M., 811.
 Dorno, C., 736, 806.
 [Dosage] Depth effect and elective action on tissue produced by short electrical waves, E. Schliephake (abstract), 973.
 Dosage of ultra-violet radiation in infants with tetany, H. Bakwin and R. M. Bakwin (abstract), 834.
 Dosimeter, ultra-violet, Principles of new, E. Weyde (abstract), 837.
 Dott (cited by G. Sighinolfi), 103.
 Doub, Howard P., 97, 101, 102, 329, 330, 332, 335, 338, 424, 572, 581, 608, 764-766, 792, 819, 829, 831, 833, 834, 929, 930, 931, 986, 990, 994.
 Doub, Howard P., useful position for examining foot, 764. *See other references.*
 Downes, Helen R., 327.
 Drach, Edmund L., 75.
 Draper (cited), 98, 616.
 "Drill bone," 144.
 Driver (cited by H. R. Foerster), 410.
Drosophila eggs as used in Crocker Laboratory, 300, 553, 611, 698.
 Duane, William, 4-8, 11-13, 39-41, 43, 303, 305-307, 315-320, 868, 894.
 Duboucher (cited by W. W. Belden), 924.
 Duca, A., 335, 338.
 Ducts, urinary, Examination of, with new substance intravenously injected, D. Tartagli (abstract), 104.
 Duff, John, 795.
 Duffy, James J., 883, 890.
 Dufour, Henri, 925.
 Dufresne, Eng., 1025.
 Duhem (cited by W. W. Belden), 927.
 Dujarier, Ch., 925.
 Dumarest, —, 968.
 Dunham, E. K., 628, 653.
 Duodenum and terminal ileum, Hyperplastic tuberculosis of, J. D. Garvin (abstract), 825.
 Duodenum, chronic stenosis of, Contributions to study of, R. Appelmans, F. Van Goidsenhoven, and J. Boine (abstract), 1000.
 Duodenum, diverticula of, and of structures resembling such diverticuloids, Roentgenologic appearance of, R. Sandera (abstract), 102.
 [Duodenum] Duodenal drainage, radiological control on, Importance of, G. Chizzola (abstract), 98.
 [Duodenum] Duodenal fistula, J. J. Gilbride (abstract), 102.
 [Duodenum] Duodenal mobility, Radiological aspects of, V. Dall'Acqua (abstract), 99.
 [Duodenum] Duodenal ulcer, Evaluation of X-ray examination in, C. D. Enfield (abstract), 101.
 [Duodenum] Duodenal ulcer, Radiological diagnosis of, A. Anzillotti (abstract), 98.
 Duodenum, screen examination of, Concerning method of, N. Ratkóczy (abstract), 102.
 Duodenum, submesocolic portion of, Stenosis of, V. Potenza (abstract), 98.
 [Duodenum] Mesenterium commune, Diagnosis of, T. Weiss (abstract), 932.
 Duodenum, ulcer of extra-bulbar portion of, Contribution to knowledge of, R. Viviani (abstract), 615.
 Durham, O. C., 74.
 Dvorak, H. J., 995.
 Dyes, Otto, 832.
 Dyke, Cornelius G., 424, 818, 819.
 Dystrophy, juvenile bone, 163.
 Eastman Kodak Company, 346, 352, 517.
 Eastmond, Charles, 73.
 Eberson, Frederick, 824.
 Economic aspect of radiation, 299.
 Eczema, chronic, 420.
 Edberg, Einar, 617.
 Eddington, A. S., 719.
 Eddy, Walter H., 836.
 Eerland (cited by H. Naujoks and H. I. Teperson), 334, 338.
 Effusion in thorax, encapsulated, Roentgenological appearance of interlobar and mediastinal, E. Freedman, 14-29.
 Eglin, J. M., 523.
 Ehrenfried, Albert, 179.
 Ehrlich, Wilhelm, 718.
 Ehrmann, R., 99.
 Eichenlaub, F. J., 345.
 Eichler, P., 610.
 Einhorn (cited by M. Behrend), 621.
 Electrocoagulation, Cosmetic results of, and radium treatment, especially of carcinoma of skin, A. Buschke and L. Loewenstein (abstract), 807.
 Electrocoagulation of warts, 343, *et seq.*
 Electrodesiccation *versus* radiotherapy in treatment of basal-cell epithelioma of skin, G. Archambault and A. Marin (abstract), 422.
 Electrodialysis, apparatus for, Migration of epinephrin in new, William Devrient, Stephen Thysen, and Boris Sokoloff, 746.
 Electrosurgery and diathermy in treatment of diseases of genito-urinary tract, Present status of, A. G. Fleischman (abstract), 797.
 Elements, Lattice constants of, W. Hume-Rothery (abstract), 781.
 Eley, R. Cannon, 423.

- Eller, J. J., 703.
 Eller (cited by R. H. Stevens), 439.
 Ellinger, Ph., 410.
 Elliott, Simeon, 796.
 Ellis, C., 509, 512, 513.
 Ellis, John D., 839.
 Elsom, J. C., 729.
 Emery, E. S., Jr., 480, 482, 787.
 Emphysema and atelectasis, Mechanism of physical signs in neoplastic and other diseases of lung, with especial reference to, C. Jackson (abstract), 93.
 Empyema, chronic, Bone changes in case of, T. Dale (abstract), 575.
 Empyema, posterior mediastinal, perforating into bronchus, Q. Vischia (abstract), 95.
 Encephalography for diagnosis and therapy of infantile paralysis, Importance of, L. Guttman (abstract), 422.
 Encephalography in cases with fixed lesions of brain, B. Crothers, E. C. Vogt, and R. C. Eley (abstract), 423.
 Encephalography, Indications and contra-indications of, and ventriculography, E. P. Pendergrass (abstract), 1024.
 Encephalography, Technic of, C. D. Camp and R. W. Waggoner (abstract), 818.
 Endometriosis rectovaginalis treated successfully by roentgen rays, Case of, J. Heyman (abstract), 416.
 Enemata: from anatomical and physiological standpoints, S. A. Lewis (abstract), 787.
 Enfield, Charles D., 101.
 Engel (cited by R. Kienböck and E. Markovits), 83.
 Engler, C. W., 25.
 Epilepsy, traumatic, and its rationale, Radical treatment of, W. Penfield (abstract), 425.
 Epiphyseal necroses, 578.
 Epiphyses of femora, Concerning unusual changes in, described by Kreuz, Ernst Freund (abstract), 84.
 Epiphysitis of hip joint, Acute transient, O. L. Miller (abstract), 981.
 Epithelioma, adamantine, 219.
 Epithelioma of lip, Radium treatment of early, H. Hailey (abstract), 807.
 Epithelioma of skin, basal-cell, Electrodesiccation *versus* radiotherapy in treatment of, G. Archambault and A. Marin (abstract), 422.
 Epithelioma on bridge of nose: case report, J. S. Derr, 955.
 Eppinger (cited by M. J. Geyman), 484.
 Epstein, Berthold, 25, 26, 28.
 Epstein, Julius, 210.
 Epstein, Stephan, 836.
 Ergosterol, irradiated, Effect of, on healing of experimentally produced fractures in animals, H. A. Swart (abstract), 577.
 Ergosterol, irradiated, Radiographic studies on healing of experimentally produced fractures followed by administration of, J. Morelle (abstract), 982.
 Erickson, L. G., 73.
 Erysipelas, treatment of, by X-rays with account of three cases, Note on, R. H. Jamieson and F. Hernaman-Johnson (abstract), 810.
 Erythema and pigmentation in skin, Influence of air pressure on formation of, F. Schmidt-Labaume and E. Uhlmann (abstract), 421.
 Esau (cited by E. Schliephake), 973.
 Esophagus, Cancer of: analysis of 82 cases, E. P. McCullagh (abstract), 589.
 Esophagus, Diverticula of thoracic portion of, C. H. Heacock (abstract), 96.
 Esophagus, Epibronchial diverticulum of, in patient affected by gastric neoplasm, M. Muzii (abstract), 96.
 Esophagus, Lower, and upper portions of stomach as seen by roentgenologic examination, J. Palugay (abstract), 996.
 Esophagus, Radium therapy in cancer of nose, larynx, and, H. M. Moran (abstract), 808.
 Esophagus, stenotic affections of, New technic for radiological study of, G. Chizzola (abstract), 96.
 Estey, Roger S., 836.
 Ethmoid, Malignant tumor of, J. E. Habbe, 548.
 Eusterman, George B., 789, 855.
 Evans, William A., 812.
 Eve, A. S., 465.
 Ewerhardt, F. H., 729.
 Ewing, James, 179, 207, 627, 636-641, 643, 647, 648, 652-654, 664, 967.
 Ewing's sarcoma, Endothelial myeloma or, W. B. Coley, 627.
 Ewing's sarcoma, Report of patient with, E. E. Larson, 556.
 Ewing's sarcoma. *See* Sarcoma, Ewing's.
 Exostoses, Congenital, and their transformation into osteochondromas, Mosenthal (abstract), 85.
 Exostoses, 112-117, 162, 211, 235, 247.
 Eye, Effect of roentgen rays on, W. Rohrschneider (abstract), 813.
 Eye, Effect of visible light, infra-red and ultra-violet rays on, W. Hoffmann (abstract), 836.
 Eyes, Skin diseases about, R. Fields (abstract), 420.
 Eymer, H., 417.
 Eymer (cited by E. Zweifel), 585.
 Fabricius-Moeller (cited by Krebs, C., Rask-Nielsen, H. C., and Wagner, A.), 565.
 Fabry, Ch., 835.
 Faerber (cited by L. B. Dickey), 1029.
 Faessler, A., 779.
 Fahlenbock, W., 234, 242.
 Fahr, George E., 73.
 Fahrney, H. L., 955.
 Failla, G., 2, 4-6, 8-12, 310, 317, 967.
 Faldini, G., 925.
 Faldino, Giulio, 925.
 Fales, L. H., 603.
 Fansler, W. A., 624.
 Faraday (cited), 1015.
 "Farmer's skin," 436.
 Farnell, Frederic J., 423.
 Farnsworth, S. W., 893.
 Farr, Charles E., 944.
 Farrar (cited), 585.
 Farrell, John T., Jr., 94.
 "Fasting treatment" of roentgen and radium ulcers, 941.
 Fauley (cited), 623.
 Faulkner, William B., 607.
 Fay, Temple, 423.
 Fayer (cited by A. L. Soresi), 491.
 Feci, Lorenzo, 823.
 Feet and hands, Ringworm of, W. A. Osborne (abstract), 420.
 Feet, bones of hands and, An X-ray and clinical study of, Max Kahn, 211.
 Feigenbaum, J., 1010.
 Feil, André, 925.
 Felderman, Leon, 392.
 Femora, epiphyses of, Concerning unusual changes in, described by Kreuz, E. Freund (abstract), 84.
 [Femur] Femoral epiphysis, lower, Slipping of, J. J. Kurlander (abstract), 981.
 Femur, Fracture of neck of, end-results in 86 cases, J. C. Wilson (abstract), 83.

- [Femur] Hip joint, epiphysitis of, Acute transient, O. L. Miller (abstract), 981.
- Femur, subacute osteomyelitis of, resembling sarcoma, Report of five cases of, G. A. Stewart, 271.
- Femur, upper, Lesions of, G. T. Thompson, 278.
- Fenger, Christian, 785.
- Fenn, Wallace, 745.
- Ferguson, J. H., 61.
- Ferrari, A., 596.
- Ferrari, P., 925.
- Ferrata, A., 395.
- Ferrier, L., 927.
- Fibroids, Therapy of, and hemorrhagic metropathy in women's clinic at University of Würzburg, 1923-28, P. Uebel (abstract), 801.
- Fibromas, central, 221.
- Fibrosarcoma, periosteal, 141-143, 149-151.
- Fields, Russell, 420.
- Figi, Frederick A., 985.
- Findlay, G. M., 836.
- Findley, Palmer, 987.
- Fineman, Solomon, 484, 485.
- Fingers, bone lesions of, infective, Conservatism in treatment of, L. H. McKim (abstract), 981.
- Finkelstein, Reuben, 620.
- Finnerud, C. W., 329, 331, 333.
- Finney, Sr., J. M. T., 266.
- Finsen, N., 1015.
- Fiorentini (cited by O. M. Walters, B. J. Anson, and A. C. Ivy), 52, 57.
- Fischel, Karl, 1030.
- Fischer, A. W., 95, 101, 622, 830, 972.
- Fischer, Louis, 78.
- Fischer (cited by H. H. Berg), 999.
- Fischer-Wasels (cited by H. Hirsch), 415.
- Fisher, Hart E., 740, 743.
- Fisher, L. F., 772.
- Fistula, Duodenal, J. J. Gilbride (abstract), 102.
- Fitts, John B., 616.
- Fitzgibbon (cited), 972.
- Flajani-Basedow's disease, Alimentary tract in, P. Ottonello (abstract), 101.
- Flatau (cited by E. Zweifel), 585.
- Flecker, H., Elimination of dark room in photography, especially as applied to roentgenology, 381.
- Fleischman, Abraham G., 797.
- Fleischner, Felix, 16, 20, 28, 329, 330, 333.
- Flesher, Roy E., 891.
- Flipo (cited by W. W. Belden), 927.
- Fluoroscopic-radiographic change switch, R. B. Taft, 558.
- Foà, Arrigo, 407.
- Focal spot projection and position of X-ray tube in radiography, P. M. Andrus and A. Hambleton, 869.
- Foerster, Harry R., 410.
- Fogelson, Samuel J., 1001.
- Foot, bone of, Bilateral vesalanium, D. Agati (abstract), 82.
- Foot, long bones of, Cysts of, and hand, H. Platt (abstract), 984.
- Foot, Useful position for examining, Howard P. Doub, 764.
- Foot, warts and calluses on, 341.
- Foote, John A., 391.
- Forbus, W. D., 256, 270.
- Ford, Frances A., Irradiation therapy in functional ovarian disorders, 936.
- [Foreign body] bone, Pork, in bronchus simulating pulmonary tuberculosis, C. D. Sneller (abstract), 988.
- Foreign body, long retained, of unusual size, Report of, C. D. Holliger and F. B. Sheldon, 952.
- Foreign bodies in air and food passages, Observation in 50 cases of, E. G. Gill (abstract), 611.
- Foreign bodies, intra-ocular, missed: report of cases, B. J. Powell (abstract), 612.
- [Foreign bodies] Molar tooth in left lower bronchus, D. H. Ballon (abstract), 612.
- Forestier, J., 928.
- Forsdike, Sidney, 799.
- Forssell, Gösta, 86, 102, 586, 833, 932.
- Förster, Walter, 925.
- Fortescue, C., 893.
- Foster, G. S., Adenocarcinoma of breast: Case report: Six-year interval following amputation of breast—final general osseous metastasis, 759.
- Foulds, Gordon S., 1003.
- Fox, Charles M., 82.
- Fraas (cited by W. W. Belden), 925.
- Fractures, healing of experimentally produced, followed by administration of irradiated ergosterol, Radiographic studies on, J. Morelle (abstract), 982.
- Fractures in animals, experimentally produced, Effect of irradiated ergosterol on healing of, H. A. Swart (abstract), 577.
- Fractures of acetabulum, W. R. Cubbins, A. H. Conley, and J. J. Callahan (abstract), 82.
- Fracture of neck of femur: end-results in 86 cases, J. C. Wilson (abstract), 83.
- Fracture of neck of femur in nonagenarian, Recovery from, R. C. Webb (abstract), 577.
- Fractures of os calcis, G. Rotolo (abstract), 576.
- Fracture, Pathologic, E. D. Weinberg, 282.
- Fractures, Pathological, in primary bone tumors of extremities, B. L. Coley and G. S. Sharp (abstract), 581.
- Fragilitas ossium. See Bone fragility.
- Fraikin (cited by W. W. Belden), 925.
- Frank, Josef, 703.
- Franke, H., 353, 357.
- Fränkel, Walter K., 925.
- Frankfort, University of, Medical Clinic, 967.
- v. Franque (cited by E. Zweifel), 585.
- Fray, Walter W., 403.
- Freedlander, S. O., 17, 19, 23, 28.
- Freedman, Eugene, Roentgenological appearance of interlobar and mediastinal encapsulated effusion in thorax, 14-29.
- Freedmann, Joseph, 50.
- Freiburg, University of, Standardization apparatus of Radiological Institute of, E. Albrecht (abstract), 973.
- Freid, Jacob R., 691, 693.
- French hospitals, post-graduate courses in English in, 962.
- Freudenberg (cited by F. C. Wood and G. M. MacKee), 704.
- Freund, Ernst, 84.
- Freund, Etelka, 703.
- Freund, Leopold, 415, 1013.
- Frey, Sigurd, 445, 446, 459.
- Freye, —, 417.
- Fribourg-Blanc (cited by W. W. Belden), 926.
- Fricke, Hugo, 7, 322, 324, 327.
- Fricke, R. E., 210.
- Friebel, Paul, 244.
- Fried (cited), 582, 811.
- Friedenwald, Julius, 98.
- Friedman, J. C., 625.
- Friedman, Leo S., 429.
- Friedman, Milton, 587.
- Friedrich, W., 312, 316.
- Frigyér, L., 423.
- Fritsch, G., 799.
- Frobisher, J. H. M., 925.

- Froude, James A., 841.
 Fuhs, Herbert, 702, 703.
 Fukase, Shuichi, 445, 446, 459, 840.
 Fullerton, Andrew, 270.
 Fungoides, mycosis, Genetic neoplastic relationships of Hodgkin's disease, aleukemic and leukemic lymphoblastoma, and, A. S. Warthin (abstract), 803.
 Funk, Elmer H., 581.
 Fürst, Walter, 575.
- Gabriel, Gerhard, 703, 704, 791.
 Gaertner, Otto, 703.
 Gaessler, E. O., 89.
 Gál, Felix, 400.
 Gall bladder, Blood supply of, A. Rubascheva (abstract), 97.
 Gall bladder, Double, with double cystic duct, R. Hayes, 66.
 Gall bladder, emptying of, Effect of acute experimental cholecystitis on, G. T. Murphy (abstract), 97.
 Gall bladder, sarcoma of, Primary, A. Brunschwig (abstract), 995.
 Gall-bladder visualization in jaundiced patients, H. Rudisill (abstract), 786.
 Galland, Marcel, 1025.
 Gallant, Alfred E., 925.
 Galli, Giuseppe, 407.
 Gallstone, calcified, in child seven years old, X-ray visualization of, H. Rudisill, Jr., 942.
 Gallstones in ampulla of Vater, E. S. Judd and J. M. Marshall (abstract), 785.
 Gamma rays and short X-rays upon human heart, Far-reaching effects of: Electrocardiographic results of cancer treatments given without direct irradiation of heart, J. E. Gendreau (abstract), 802.
 Gamma rays, Biological effects of, W. G. Whitman and M. A. Tuve (abstract), 1015.
 Gamma rays, radiography by, Technique of, C. S. Barrett, R. A. Gezelius, and R. F. Mehl, 461.
 Gamma rays, Radiography by use of, R. F. Mehl, G. E. Doan, and C. S. Barrett, 508.
 Garcin, J., 925.
 Garland, L. H., joint author, 679.
 Garré (cited by L. C. Cohn), 187, 188.
 Garré's non-suppurative osteitis. *See* Osteitis, Garré's non-suppurative.
 Garvin, John Day, 825.
 Gary, W. E., 808.
 Gastrectomy, Subtotal, for duodenal ulcer: ten years' experience and clinical end-results, A. A. Strauss, L. Bloch, J. C. Friedman, J. Meyer, and M. L. Parker (abstract), 625.
 Gastritis, Gastric ulcer with, in 10-year-old child, F. Herz (abstract), 620.
 Gastritis, Segmentary toxic, of antrum pylori, L. Giuntoli (abstract), 97.
 Gastro-intestinal disorders, Human constitution in relation to, J. Friedenwald (abstract), 98.
 Gastro-intestinal tract of starving rats, motility of, Observation on, L. J. Menville, J. N. Ané, and S. N. Blackberg (abstract), 998.
 Gastro-intestinal tract, Reaction of content of, F. C. Mann and J. L. Bollman (abstract), 619.
 Gastrojejunocolic fistula, H. W. Wiese, 477.
 Gatewood, —, 540, 972.
 Gaudin, Ch., 923.
 Gauss, C. J., 110.
 Gauss (cited by E. Zweifel), 585.
 Gauvain, Sir Henry, 1015.
 Gavazzeni, Antonio, 100.
 Gebhardt, George F., 352.
 Gebhardt, Hans, 617.
 Geddies, Kenneth B., 430.
 Geiger (cited by B. Rajewsky), 571.
 Gendreau, J. E., 378, 802.
 General Electric Laboratories, 708, 711.
 General Electric X-ray Corporation, 464, 744.
 Genital tract, tuberculosis of, Diagnosis and treatment of, J. D. Barney, J. L. Watson, and S. Elliott (abstract), 796.
 Genito-urinary tract, Anomalies of, A. C. Abbott (abstract), 105.
 [Genito-urinary tract] Bladder tumor pathology, Clinical application of, P. W. Aschner (abstract), 790.
 Genito-urinary tract, electrosurgery and diathermy in treatment of diseases of, Present status of, A. G. Fleischman (abstract), 797.
 [Genito-urinary tract] Renal pelvis, Unusual duplication of, H. C. Bumpus, Jr. (abstract), 790.
 [Genito-urinary tract] Renal vessels, New technic for roentgenographic study of, G. Milles, E. F. Müller, and W. F. Petersen (abstract), 1002.
 [Genito-urinary tract] Ureteral calculus, Giant, F. S. Patch (abstract), 790.
 Genner, Viggo, 578.
 Gentner, Wolfgang, 839.
 George, A. W., 33, 37, 907, 908, 917.
 German Roentgen Ray Society, 785.
 Gerngross, O., 595.
 Gershon-Cohen, J., 432, 972.
 Gerstenberger, Henry J., 740, 743.
 Gertz, Willy, 703.
 Geschickter, Charles F., 11-180, 182, 185, 210, 214, 215, 220, 223, 234, 236, 242, 283-290, 649, 667, 678, 679, 828.
 Geschickter, Charles F., Roentgenologic diagnosis of bone tumors, 111-180. *See other references.*
 Geyman, Milton J., 427, 483-485, 614, 798.
 Geyman, Milton J., Right diaphragmatic hernia, 483. *See other references.*
 Gezelius, Roy A., joint-author, 461.
 Gfrörer, O., 572, 611.
 Ghio, Adolfo, 92.
 Gibbon, John H., 652.
 Gibert, P., 960.
 Gibson, A., 210.
 Giesecke (cited by E. Zweifel), 585.
 Gifford, S. R., 743.
 Gilbert (cited), 1015.
 Gilbride, John J., 102.
 Gill, E. G., 611.
 Gilman, Robert L., 978.
 Gilmore, W. H., 1027.
 Ginsburg, Solomon, 210, 1028.
 Giuntoli, Lorenzo, 97.
 Glammann (cited by W. Abitz, O. Gerngross, and K. Herrmann), 595.
 Glands, mesenteric, Clinical picture of calcification of, H. Rothmann (abstract), 822.
 Glaser, Mark A., 922.
 Glasewald, H., 925.
 Glass-blower's cataract, 836.
 Glasser, Otto, 2, 4, 5, 7, 8, 11, 304, 311, 312, 316, 407, 698, 700, 702, 703, 798, 1016.
 Glénard, Franz, 624.
 Gliomas, Intracranial calcification with particular reference to that occurring in, C. B. Courville and L. J. Adelstein (abstract), 818.
 Glocker, R., 406.
 Gocke, C., 925.
 Goeckerman, W. H., 328, 329, 331, 333, 737, 743.
 Goiter, Size of heart in: Teleroentgenographic study, L. M. Hurxthal, O. J. Menard, and M. E. Bogan (abstract), 802.

- Goiter, toxic, Roentgen treatment of, E. Hayer and W. Hufschmid (abstract), 431.
- Goiter, toxic, Results of radiation therapy in, P. Jaguttis (abstract), 1028.
- Golden, R., 254, 263, 270.
- Goldhaft, Arthur D., 975.
- Goldhammer, Karl, 76, 966.
- Goldschmidt, W., 256, 270.
- Goldsmith, Perry G., 816.
- Goldstein, H. I., 679.
- Goldstein, H. Z., 679.
- Goldjanitki, J. A., 925.
- Goltz, E. V., 583.
- [Gonorrhea] Para-urethral infiltrates, Contribution to roentgen treatment of, S. Grauer (abstract), 418.
- Gonorrheal infection, chronic, in female, Deep X-ray treatment of, C. M. Henry, 47-50.
- Goodman, Herman, 818.
- Goodyear, Henry M., 1023.
- Gordon, Alfred, 925.
- Gorsch, Rudolph V., 925.
- Gosset, A., 707, 718.
- Götz, F. W. Paul, 835.
- Gouin (cited by A. Krynski), 811.
- Gow, J. T., 535.
- Graham, Roscoe R., 1029.
- Graham (cited by G. Milles, E. F. Müller, and W. F. Petersen), 1002.
- Granger, Amédée, 814.
- Granger, F. B., 729.
- Graninger, Karl, 941.
- Granzow-Irrgang, Dorothea, 704.
- Grauer, Sepp, 418.
- Gray, A. L., 84.
- Gray, Irving, 97.
- Gray, Thomas L., 964.
- Grebe (cited by B. Thom), 787.
- Greenebaum, J. Victor, 429.
- Greenhill, J. P., 336, 339.
- Greenough, Robert B., 244, 687, 693.
- Greensfelder, Louis A., 34, 37.
- Grenz rays, 304, 797, 798.
- Grenz rays, Absorption of, in air, H.-T. Meyer (abstract), 798.
- [Grenz rays] Bucky's "borderline rays" in ophthalmology, Application and dosage of, I. Krasso (abstract), 784.
- Grenz rays, Effect of, upon skin: Histological investigations, K. Herxheimer and E. Uhlmann (abstract), 797.
- Grenz-ray therapy, Necessity of exact dosage data in, O. Gfrörer and H. Berger (abstract), 611.
- (Grenz rays), Therapy with long wave length X-rays, Francis Carter Wood and George M. MacKee, 697.
- Grenz-ray tubes, Calibration of, O. Gfrörer (abstract), 572.
- Gricouloff, Georges, 109.
- Grier, G. W., 815, 888, 891.
- Grigsby, E. S., 942, 953.
- Grimault, L., 925.
- Groll, Edeltraud, 598.
- Gronwall, T. H., 868.
- Groover, T. A., 814, 841-844, 940.
- Groover, Thomas A., Radiology as career, 841. *See other references.*
- Gruhn, E., 410.
- Grunewald, Lucile, 729.
- Grünthal, J., 1017, 1020.
- Guerrini, F. Z., 925.
- Guillemin, A., 925.
- Günther, P., 779.
- Gurd, Fraser B., 585.
- Gurdjian, E. S., 819.
- Gutmann, A., 718.
- Gutmann, R. A., 928.
- Guttmann, Ludwig, 422.
- Gynecologic Department of Instituto del Cancro, Milan, Work of, during its first two years of activity, G. Moglia (abstract), 1009.
- Gynecological roentgen therapy, Development of, during past ten years in Second University Clinic for Women at Budapest, F. Gál (abstract), 400.
- [Gynecology] Gynecological notes, with special reference to use of radium, K. Wilson (abstract), 807.
- Gynecology, irradiation therapy in, Present value of, F. Heimann (abstract), 800.
- Gynecology, Radium in, S. Forsdike (abstract), 799.
- Gynecology, Roentgen therapy in, VIII (Principles of roentgenotherapy), E. A. Pohle (abstract), 418.
- Gynecology, roentgenographic contract diagnosis in obstetrics and, Newer methods of, J. Jarcho (abstract), 801.
- Habbe, J. E., 84, 95, 98, 99, 102, 364, 400, 401, 403, 409, 410, 414, 423, 424, 430, 433, 548-553, 572, 576, 585, 590, 601, 602, 604, 606, 617, 686, 696, 786, 788, 799, 808, 811-813, 816, 820, 831, 979, 992, 1006, 1028, 1031.
- Habbe, J. E., Malignant tumor of ethmoid, 548. *See other references.*
- Hadda, S., 244.
- Haenisch, Fedor, 77, 78, 961, 966-969.
- Hailey, Howard, 807.
- Haines, W. F., 75.
- Halban, Josef, 811.
- Halberstaedter, L., 457, 459.
- Hall, Robert C., 563.
- Hall, W. W., 706, 707, 718.
- Haller (cited by N. Voorhoeve and H. W. Wiese), 480.
- Hamant (cited by J. R. Moore), 242.
- Hambleton, A., joint-author, 869.
- Hammerschlag, Sigfrid, 418.
- Hampton, A. O., 904, 992.
- Hands and feet, Ringworm of, W. A. Osborne (abstract), 420.
- Hands, bones of, and feet, An X-ray and clinical study of, Max Kahn, 211.
- Hand, long bones of, Cysts of, and foot, H. Platt (abstract), 984.
- Hands, warts on, treatment of, 343-345.
- Handley, W. Sampson, 690, 693, 1015.
- Hanks (cited by J. C. Potter), 798.
- Hanrahan, Edward M., Jr., 404.
- Hanson, Malcolm B., 73.
- Harding, D. B., 995.
- Harker, G., 783.
- Harmer, Torr W., 244.
- Harris, A. Trevenning, 335, 338.
- Harris, G. W., 830.
- Harris (cited by L. L. Hill, Jr.), 789.
- Hart, Alan L., 368, 575, 579, 580, 618, 791.
- Hartley, J. N. J., 925.
- Hartman, George W., 795.
- Hartman, J. L., 743.
- Hartmann, E., 962.
- Hartmann, H., 377.
- Hartmann (cited by W. W. Belden), 925.
- Hartwell, John B., 925.
- Hartwell (cited by H. Baumecker), 619.
- Hase, Hermann, 904.
- Hasley, Clyde K., 73.
- Hattori (cited by M. Saito, K. Kamikawa, and H. Yamagizawa), 608.

- Haudek, Martin, 849, 855, 963, 964.
 Hay (cited by H. K. Pancoast), 600.
 Hayek, Heinrich, 925.
 Hayer, E., 431.
 Hayes, Richard, Double gall bladder, with double cystic duct: case report, 66.
 Hazen, H. H., 341, 345.
 Heacock, C. H., 96.
 Head clamps for fenestrated shield for roentgenography of nasal accessory sinuses, Mrs. J. D. Blocher, 554.
 Head injuries, acute, Treatment of, A. D. Young (abstract), 425.
 Head, Jerome R., 95, 499, 507.
 Headaches, Menstrual, C. L. Martin (abstract), 798.
 Headaches, menstrual, Radiation therapy in, C. L. Martin (abstract), 415.
 Healy (cited), 585.
 Hearst, William L., 582.
 [Heart] Cardiovascular border, Study of right, P. Perona and G. Ottaviani (abstract), 1010.
 Heart, Effect of amyl nitrite on size of, and width of aortic shadow as determined roentgenologically, W. A. Brams and H. A. Strauss (abstract), 802.
 Heart, effects of gamma rays and short X-rays upon human, Far-reaching: Electrocardiographic results of cancer treatments given without direct irradiation of heart, J. E. Gendreau (abstract), 802.
 [Heart] Electrocardiographic changes in pneumonia, A. M. Master and A. Romanoff (abstract), 1010.
 Heart, human, Excitatory process observed in exposed, P. S. Barker, A. G. Macleod, and J. Alexander (abstract), 403.
 [Heart] Hydropneumopericardium: Report of case with summary of literature, R. T. Shackelford (abstract), 1011.
 Heart muscle, Experimental roentgen injuries of, A. Werthermann (abstract), 994.
 Heart, Radiologic aspect of lungs and valvular defects of, G. Balestra and A. Ghio (abstract), 92.
 Heart, size of, Comparison of methods used for estimating, S. Luton (abstract), 403.
 Heart, Size of, in goiter: Teleroentgenographic study, L. M. Hurxthal, O. J. Menard, and M. E. Bogan (abstract), 802.
 Heart, Syphilis of aorta and: Clinical study, S. S. Riven and J. Reigenbaum (abstract), 1010.
 [Heart] Thrombosis of left auricular appendage, Roentgenologic appearance of, J. Arendt (abstract), 403.
 Heatley, John E., 401.
 Heeren, I., 418.
 Hefke, H. W., 78, 83, 85, 95, 100, 101, 107, 404, 406, 414, 415, 417, 418, 422, 423, 428, 429, 433, 573, 575, 576, 578, 579, 581, 599, 600, 602, 604, 610, 617, 619-623, 787, 788, 793, 801, 804, 807, 812, 821-823, 825, 826, 828, 830, 834, 839, 932, 964, 975, 986, 990, 992, 993, 996, 997, 999, 1003, 1006, 1007, 1009, 1011, 1017, 1020, 1022, 1026.
 Heidenhain (cited by J. Halban), 811.
 Heilbron, L. G., 357.
 Heim, K., 1009.
 Heimann, Fritz, 800.
 Heineke (cited), 412, 565.
 Hektoen, Ludvig, 75.
 Held, A., 411.
 Heliotherapy in pulmonary tuberculosis, Limitations of, B. L. Wyatt (abstract), 826.
 Hellström, Nils, 270.
 Helm (cited by Felix Fleischner), 20, 28.
 Hematuria, essential, X-ray treatment of (case report), L. J. Carter, 944.
 Hemingway, Allan, 736.
 Hemorrhage in perforated gastric and duodenal ulcers, Incidence of, M. Behrend (abstract), 621.
 Henderson, E. F., 270, 855.
 Henderson, M. S., 133, 179.
 Henderson, Yandell, 507.
 Hendricks, Sterling B., 597.
 Hendricks, William A., 925.
 Hengstenberg, J., 779.
 Henning, A. E., 8.
 Henry, C. M., Deep X-ray treatment of chronic gonorrheal infection in female, 47-51.
 Henry, Lucas S., 563.
 Henry, Myron O., 427, 925.
 Herbst, Robert H., 1004, 1008.
 Heredosophilis, tardive, Bone lesions in, E. P. Pendergrass, R. L. Gilman, and K. B. Castleton (abstract), 978.
 Herendeen, Ralph E., 179, 284, 287, 638, 643, 647.
 Herman, Karl, 599.
 Hernaman-Johnson, F., 810, 1017.
 Hernia, diaphragmatic, Right, M. J. Geyman, 483.
 Hernia, diaphragmatic, roentgenologic diagnosis of, Progress in, A. B. Moore and B. R. Kirklin (abstract), 609.
 Hernia, diaphragmatic, Very large, P. Eichler (abstract), 610.
 Herr, A., 58.
 Herrmann, Karl, 595, 597.
 Herrnheiser, Gustav, 853, 855.
 Herxheimer, Karl, 797.
 Herz, Franz, 620.
 Hess, George H., 214.
 Hesz, P., 1029.
 Hettich, William G., 964.
 Heurtaux (cited by T. S. Raiford), 270.
 v. Hevesy, G., 779.
 Heyman, James, 416.
 Heyman (cited by K. Wilson), 807.
 Hibben, J. S., 729, 737.
 Hibbs, Russell A., 918, 925.
 Hickey Cone, 71.
 Hickey, Preston M., 50, 71-73, 384, 392, 1010.
 Hickey, Preston M., Memorial Library, 384.
 Hicks, Robert A., 710, 719.
 Higgins, C. C., 431.
 Higgins, G. M., 507.
 Highman, Walter James, 702.
 Hill, E., 706, 718.
 Hill, Frederick C., 480, 482.
 Hill, Sir Leonard, 1013.
 Hill, Luther L., Jr., 789.
 Hill (cited by G. Milles, E. F. Müller, and W. F. Petersen), 1002.
 Hiller, Robert I., 34, 37.
 Hintze, A., 457, 459.
 Hip joint, epiphysitis of, Acute transient, O. L. Miller (abstract), 981.
 Hirsch, E. F., 209, 210.
 Hirsch, Henri, 415.
 Hirsch, I. Seth, 357, 936, 940.
 Hirschsprung (cited by R. R. MacGregor), 999.
 Hirsh, A. B., 729.
 Hitchcock (cited by W. Devrient, S. Thyssen, and B. Sokoloff), 749.
 Hitznberger, Karl, 828.
 Hoag, J. B., 535.
 Hoard, J. L., 595.
 Hocking (cited by G. T. Pack and F. W. Stewart), 591.
 Hodges, Fred Jenner, 403.
 Hodges, Fred M., 758, 759.
 Hodges, Paul C., 577, 820, 821, 1026.

- Hodgkin's disease, 416, 803, 804, 1011, 1012.
- Hodgkin's disease and tuberculosis, Analysis of lymphadenopathy question, with special reference to, F. W. Stewart and C. A. Doan (abstract), 803.
- Hodgkin's disease, autogenous gland filtrate in, Results of treatment by, E. M. Hanrahan, Jr. (abstract), 404.
- Hodgkin's disease, Bone changes in, K. Kremser (abstract), 804.
- Hodgkin's disease, Genetic neoplastic relationships of, aleukemic and leukemic lymphoblastoma, and mycosis fungoides, A. S. Warthin (abstract), 803.
- [Hodgkin's disease] Lymphogranulomatosis of vertebral column, W. Kuckuck (abstract), 1011.
- [Hodgkin's disease] Lymphoma malignum and lymphosarcoma: Pathogenesis, radiotherapy, and prognosis, I. Levin (abstract), 1012.
- Hodgkin's disease, morphogenesis of cells of Sternberg in, Study of, L. Villa (abstract), 1011.
- Hodgkin's disease, with special reference to diagnostic difficulties and results following roentgen irradiation: Report of case, G. A. Sherman (abstract), 1012.
- Hoebe, Karl, 611.
- Hoefel, Gerald, 743.
- Hoffheinz (cited by D. P. Barr and H. A. Bulger), 431.
- Hoffmann, F., 600.
- Hoffmann, Wolfgang, 836, 1019.
- Hofmann, Ulrich, 598.
- Hofmann, —, 581.
- Holfelder, Hans, 428, 589, 1021.
- Holfelder's Clinic, 418.
- Holladay, W. L., Constant temperature for X-ray developing, 346.
- Holland, C. Thurstan, 925.
- Hollander, Lester, 891.
- Holliger, Charles D., Sheldon, Francis B., Report of long retained foreign body of unusual size, 952.
- Holly, Leland E., 401.
- Holly (cited by H. B. Matthews), 799.
- Holtzhusen, H., 3, 312.
- Holtzknecht, Guido, 98, 964.
- Holweck, Fernand, 703.
- Horder, Sir Thomas, 602, 603, 969.
- Horn, Frank J., 50.
- Horsley, J. Shelton, Case of recurrent giant-cell tumor of lower right radius, 756.
- Horsters, Hans, 1007.
- Hosmer, Helen R., 708, 718, 736.
- Hospitals—
- Barnes, St. Louis, 477.
 - Brigham (Peter Bent), Boston, 787.
 - Buffalo City, 601.
 - Charity, New Orleans, 402.
 - City, Vienna, 1011.
 - Civile di Teramo, Ospedale, Italy, 941.
 - General, Los Angeles, 346.
 - General, Rochester, N. Y., 953.
 - Harrisburgh (Pa.), 694.
 - Huntington, Collis P., Mem., 831, 890.
 - Jewish, Cincinnati, O., 429.
 - Jewish, New York, 637.
 - Johns Hopkins, Baltimore, 211, 216, 231, 232, 235, 241, 253, 269, 279, 281, 391, 649, 653, 660.
 - Kelly, Howard A., Baltimore, 391.
 - Massachusetts General, 831, 890.
 - Memorial, New York, 50, 373, 548, 592, 628, 635-637, 639, 640, 647-649, 651, 653, 654, 883, 888.
 - Montreal General, 103, 107, 790, 830.
 - Moses Taylor, Scranton, Pa., 766.
 - Municipal, Baltimore, 391.
 - Neurological, New York, 608.
 - New York Broad Street, 636.
 - Park View, 90.
 - Presbyterian, Chicago, 972.
 - Presbyterian, New York, 425.
 - Royal Victoria, Montreal, 425, 829.
 - Ruptured and Crippled Children, New York, 631, 636-638, 649, 650, 653, 655.
 - St. Agnes, Baltimore, 391.
 - St. Bartholomew, London, England, 586, 969.
 - St. Luke's, New York, 691, 692.
 - St. Michael's, Toronto, 1003.
 - Sheppard and Enoch Pratt, Baltimore, 391.
 - State, for Malignant Disease, Buffalo, N. Y., 373.
 - Union Memorial, 264, 267.
 - U. S. Marine, Stapleton, Staten Island, N. Y., 644.
 - University, Ann Arbor, 1010.
 - University, Minneapolis, Minn., 73.
 - University, Syracuse, N. Y., 59, 64.
 - Victoria Memorial, Victoria, B. C., 51.
 - Westminster, London, England, 586.
 - Winnipeg General, Winnipeg, Canada, 87.
 - Wisconsin General, 945.
- Hotz (cited by L. Schall and F. Hoffmann), 600.
- Hough, W. H., 391.
- Houston, Thomas, 210.
- Howard, C. P., 830.
- Howard, Philip J., 1028.
- Howard, William T., Jr., 637, 643.
- Howell, J. C., 690, 693.
- Howes, Seth F. H., 423.
- Hoy, Carl Da Costa, 925.
- Hrdlicka, Ales, 391.
- Hryntschak (cited by W. F. Braasch), 108.
- Hubeny, M. J., 339, 720-724, 959.
- Hubeny, M. J., Oblique projection in examination of lumbar spine, 720. *See other references.*
- Huchard (cited by R. T. Shackelford), 1011.
- Hudson, Jessie B., 423.
- Hudson, J. C., 13, 868.
- Hufschmid, W., 431.
- Hughes, C. W., 736.
- Hull, Harry B., 352.
- Hume-Rothery, William, 781.
- Humerus, upper, Lesions of, Robert C. Major, 224.
- Hummel, Rudolf, 806.
- Hunt, Barbara, 987.
- Hunt, Edward L., 997.
- Hunt, John G., 817.
- Hunt, Verne C., 797.
- Hurwitz, S. H., 180.
- Hurxthal, Lewis M., 802.
- Hutter, Karl, 106.
- Hydrops tubæ profluens, Diagnosis and therapy of case of, by salpingography, O. Polano (abstract), 400.
- Hyman, Abraham, 78, 105.
- Hypernephroma, 160, 203.
- Hyperparathyroidism, J. de J. Pemberton and K. B. Geddie (abstract), 430.
- Hyperparathyroidism, Clinical syndrome of, D. P. Barr and H. A. Bulger (abstract), 431.
- Hyperthermia, Experimental, induced by high frequency current, Bernard Mortimer, 705.
- Hyperthyroidism (Basedow), 399.
- Hyperthyroidism, Possible significance of thymus gland in syndrome of, H. M. Margolis (abstract), 1026.
- Hyperthyroidism, Roentgen treatment of, W. Clarkson (abstract), 813.
- Hypoventilation, pulmonary, Post-operative, R. H. Overholt (abstract), 605.

- Ileocolic mesenterium commune without rotation, Case of, G. Sighinolfi (abstract), 103.
- Imbert, Leon, 925.
- Imboden, H. M., 393.
- Indiana Roentgen Society, 772.
- Infection, urinary, Birth traumatism as factor in, F. S. Patch (abstract), 107.
- Influenza patients during epidemic in 1928-29, Roentgenologic studies of pulmonary pictures in, B. Misske and A. Sylla (abstract), 607.
- Infra-red, Effect of visible light, and ultra-violet rays on eye, W. Hoffmann (abstract), 836.
- Injections, intravenous, for cancer, 439.
- Insurance Committee, report of, 562.
- International Congress of Radiology, London, 1925, 592.
- International Congress of Radiology, Second, 1.
- International Congress of Radiology, Third, 74, 389, 960-962.
- Internship, Roentgenology and, Irvin D. Metzger, 68-70.
- [Intestines] Bowel disease, terminal, Sigmoidoscopy versus X-rays in diagnosis of, F. C. Yeomans (abstract), 622.
- [Intestines] Bowel, large, Origin of polypi of, with especial reference to adenoma: preliminary report, W. A. Fansler (abstract), 624.
- [Intestines] Bowel, small, and stomach, Appraisal of motor-test-meal in roentgen examination of, A. B. Moore (abstract), 97.
- [Intestines] Cecum, diverticulitis of, Solitary, A. Stewart (abstract), 996.
- [Intestines] Cecum, Misplacements of, and ascending colon, G. Bagnaresi (abstract), 998.
- [Intestines] Colon, Diverticulitis of, with special reference to acute perforations of sigmoid, R. W. Whitman (abstract), 997.
- [Intestines] Colon, malignant, conditions of, Diagnosis of, F. W. Rankin (abstract), 998.
- [Intestines] Colon, Roentgenologic examination of, H. H. Berg (abstract), 999.
- [Intestines] Intestinal obstruction, Acute, I. Abell (abstract), 620.
- [Intestines] Intestinal obstruction, Acute, F. Smithies (abstract), 621.
- [Intestines] Intestinal stasis, Value of X-ray evidence of bowel obstruction in various states of, H. A. Carlson, H. J. Dvorak, F. W. Lynch, C. Borman, and O. H. Wangenstein (abstract), 995.
- [Intestines] Intussusception, Acute, in infancy: operative and non-operative treatment, D. M. Siperstein (abstract), 1000.
- Intestines, small, chronic obstruction of, Contribution to roentgenologic diagnosis of, G. Lemmel (abstract), 623.
- Intestine, small, Roentgen evidence of adhesions of, H. W. Soper and J. W. Thompson (abstract), 102.
- Intestine, Tuberculosis of: Its differential diagnosis, J. A. Bagen (abstract), 824.
- Intestine, Tumors of the small: their diagnosis, with special reference to the X-ray appearance, Theodore S. Raiford, 253.
- Intestines, upper small, Contribution to diagnosis of obstruction in, C. Wittkowsky and Metzger (abstract), 621.
- Intracranial calcification and its roentgenologic significance, J. D. Camp (abstract), 422.
- Intracranial pressure: correlation of choked disc and roentgenologic pressure signs, F. Schreiber (abstract), 424.
- Intussusception, acute, X-ray examination in, E. Edberg (abstract), 617.
- Intussusception: case report, C. E. Weaver, 64-66.
- Iontogrammeter, Rugged, direct-reading, of high sensitivity, L. P. Delsasso and A. H. Warner, 39-43.
- Ireland, Merritte W., 391.
- Iron, Separation of carbon from carbon monoxide in (III.—Formation of iron oxides and iron carbides in solid phase), U. Hofmann and E. Groll (abstract), 598.
- Irradiated tissues, Healing of operated wounds in, V. Podestà (abstract), 839.
- Irradiation of body cavities by ultra-violet light generated in them, S. Westmann (abstract), 839.
- Irradiation of school children, Sir L. Hill and A. R. Laurie (abstract), 1013.
- Irradiation on inflammations, Studies on prophylactic effect of, S. Fukase (abstract), 840.
- Irradiation, Quartz lamp, with reflector, A. Keuser (abstract), 1013.
- Irradiation, Reaction to, as means of differentiating certain varieties of tumor, A. U. Desjardins (abstract), 831.
- Irradiation, sarcoma of uterus treated by, Few cases of, C. Regaud and A. Lacassagne (abstract), 832.
- Irradiation therapy in gynecology, Present value of, F. Heimann (abstract), 800.
- Irradiation therapy of malignant tumors in Sweden, G. Forssell (abstract), 833.
- Italian Congress of Medical Radiologists, Ninth, Proceedings of, 394, 395.
- Italian Congress of Obstetrics and Gynecology, 1009.
- Ivy, A. C., joint-author, 52; 623, 718, 805.
- Jaches, Leopold, 394, 791.
- Jackson, Byron H., 766-769, 931.
- Jackson, Byron H., Report of two cases of osteogenic sarcoma, possibly traumatic in origin, 766. See other reference.
- Jackson, Chevalier, 93.
- Jackson, C. R., 74.
- Jackson, Henry, Jr., 692, 693.
- Jackson (cited by E. P. Pendergrass), 821.
- Jacob, P., 28.
- Jacobi, H., 861.
- Jacobi, Hans, 925.
- Jacobson, L. E., 304.
- Jacoby, Paul, 427.
- Jadassohn, J., 340, 345.
- Jaeger, Robert, 3, 9, 10, 12, 611.
- Jagoda, S., 412.
- Jaguttis, P., 1028.
- James, R. W., 76.
- Jamieson, Howard M., 584.
- Jamieson, R. Hillhouse, 810.
- Janitzky, A., 77.
- Jansson, Gösta, 578.
- Japiot, P., 926.
- Jaques, L., 922.
- Jarcho, Julius, 801.
- Jaroschy, Wilhelm, 92.
- Jarre, Hans A., 58, 84, 88, 93-95, 97, 102, 107, 399, 406, 573, 607, 609, 832.
- v. Jaschke (cited by E. Zweifel) 585.
- Jaundice, Clinical significance of, M. A. Blankenhorn (abstract), 804.
- Jaundice, obstructive, Physiologic disturbances incident to, A. C. Ivy (abstract), 805.
- Jaw, lower, Central tumors of, Richard F. C. Kegel, 216.
- Jaw, upper, Giant-celled tumor of, H. W. Coates (abstract), 827.
- Jean, G., 926.
- Jeannel (cited by John R. Moore), 234, 242.

- Jeffries, F. M., 635, 637, 638, 647.
 Jenkinson, E. L., 485, 772.
 Jennings, C. H., 335, 338.
 Jennings, John E., 688, 693.
 Jensen, Murk, 179.
 Johnson, Eugene F., 825.
 Johnson, L. D., 618.
 Johnson, J. Martin, 609.
 Johnson, W. T., 729.
 Johnston, J. A., 1028.
 Johnston, James C., 426.
 Joints, chondromatosis of, Contribution to, Hofmann (abstract), 581.
 "Joint mice," 578, 579.
 Joisten, Chr., 926.
 Joll, C. A., 180.
 Jones, Jack W., 417, 979.
 Jordan, Sara M., 480, 482.
 Jorge (cited by W. W. Belden), 926.
Journal of the American Medical Association, 972.
 Judd, E. Starr, 785.
 Jude (cited by W. W. Belden), 926.
 Judet, Henri, 926.
 Jugenburg, Anna, 432.
 Jüngling, Otto, 329, 333, 610.
 Juul, Jens, 784.
 Kaboth, Georg, 408.
 Kahler, H., 710, 718.
 Kahlstorf, A., 580, 812, 1017.
 Kahn, Herbert, 829.
 Kahn, Max, 202, 211-215, 216, 221, 960.
 Kahn, Max, X-ray and clinical study of bones of hands and feet, 211. *See other references.*
 Kahn (cited by H. Hirsch), 415.
 Kailan (cited by G. Harker), 784.
 Kamikawa, Kazunori, 608.
 Kann, Ulysses S., 563.
 Kantner, —, 58.
 Kantor, John L., 101.
 Kaposi (cited by R. H. Stevens), 444.
 Karshner, Rolla G., 433.
 Kaplan, Ira I., 773, 936, 940.
 Katz (cited by W. Abitz, O. Gerngross, and K. Herrmann), 595.
 Kaufmann (cited by A. Brunschwig), 995.
 Kauftheil, Leo, 480, 482.
 Kaye, G. W. C., 4, 5, 7, 8.
 Kearns, P. J., 829.
 Keen, W. W., 64.
 Kegel, Richard F. C., Central tumors of lower jaw, 216.
 Kehrer, E., 426.
 Keiller, V. H., 179.
 Keller, Henry, 608.
 Keller, William L., 598.
 Kellogg, E. L., 944.
 Kelly, Howard A., 210, 534.
 Kennedy, Robert H., 926.
 v. Kémeri, Dezső, 491.
 Kern, Richard A., 507.
 Keuser, A., 1013.
 Key, J. Albert, 168, 180, 982.
 Key-Aberg, Kurt, 270.
 Keynes, Geoffrey, 586, 1015.
 Kidneys, Demonstration of, with abrodil and some remarks about roentgen stereoscopy of kidney, W. Teschendorf (abstract), 792.
 Kidneys, exposed, Roentgenologic control of, in operations for nephrolithiasis, with use of special intensifying cassette, E. Beer (abstract), 1007.
 Kidneys, intravenous pyclography in pathological conditions of, Experimental research concerning, G. Gabriel (abstract), 791.
 Kidney pelvis, Changes in, on roentgen film caused by extra-renal tumors, R. Bachrach and K. Hitzengerber (abstract), 828.
 Kidney, tuberculosis of, Roentgenologic diagnosis in, B. H. Nichols (abstract), 794.
 Kiel, University of, medical clinic, 431.
 Kienböck, Robert, 83, 577, 978, 1021.
 Kienböck's disease: compression osteitis of semilunar or lunate bone of wrist: report of cases, N. A. Cary and L. Barnard (abstract), 978.
 Kienböck's disease of semilunar bone, N. Porro (abstract), 577.
 Kilgore, A. R., 378, 679-682.
 Kilgore, Alson R., and Garland, L. H., Osteitis fibrosa localisata, 679.
 Kilian (cited by W. W. Belden), 916.
 Kime, E. N., 729.
 King, E. L., 270.
 Kingery, L. B., 340, 345, 443, 589, 967.
 Kinney (cited by C. G. Dyke), 424.
 Kirklin, B. R., 73, 328-333, 609, 786, 972, 973.
 Kirklin, B. R., and Morton, S. Archibald, Roentgenologic changes in sarcoid and related lesions, 328.
 Kirsch, Hans, 703.
 Kirschmann, K., 968.
 Kisch, Eugen, 827.
 Kiser, Edgar F., 604.
 Klason, T., 614.
 Klauder, Joseph V., 743.
 Klein, O., 473.
 Kleinberg, S., 926.
 Kleinhaus, Emil, 926.
 Klemm, Paul, 187, 188.
 Klemmer, R. N., 819.
 Klippel-Feil disease, A. J. Pytel and S. S. Chaievitch (abstract), 427.
 Kloiber, Hans, 926.
 Klotz, Hermann G., 933, 935.
 Klövekorn, G. H., 704.
 Knaggs, Robert Lawford, 165, 167, 179, 180.
 [Knee] Femoral epiphysis, lower, Slipping of, J. J. Kurlander (abstract), 981.
 Knee joint, Tuberculosis of, demonstrated by oxygen injection into joint, B. Ulrichs (abstract), 433.
 Knol, K. S., 780.
 Knospe, Heinz, 418.
 Knothe, Werner, 572.
 Kobak, Disraeli, 729.
 Koch, Konrad, 926.
 von Koch, Ph., 480, 482.
 Kodakoid (Eastman), 325.
 Koebig, Walter C. S., 925.
 Kohbrausch, K. W. F., 468, 512, 518.
 Köhler, Alban, 37, 978.
 Kohn, S. E., 430.
 Kolb, Otto, 926.
 Kolodny, Anatole, 179, 641, 666, 669, 671, 678.
 König (cited by G. Jansson), 578.
 Konjetzny (cited by M. Haudek and J. D. Camp), 851, 855.
 Konzleemann, F. W., 328, 330, 332.
 Kornblum, Karl, 364.
 Kosting, Peter R., 597.
 Kourilsky, R., 29.
 Kovarik, A. F., 534.
 Kracek, F. C., 594.
 Krasso, Ilona, 784.
 Krause, Paul, 52, 57.
 Krebs, Carl, 564, 565.
 Kreibich, Karl, 329, 333.
 Kremser, Curt (or Kurt), 804, 814.

- Kretschmer, Herman L., 106, 538, 542.
 Kreuz, cited by E. Freund, 84.
 Krishnamurti, P., 594.
 Kroenig (cited by E. Zweifel), 585.
 Kruchen (cited by G. A. Sherman), 1013.
 Krummacher (cited by W. Abitz, O. Gerngross, and K. Herrmann), 595.
 Krusen, Frank Hammond, 729.
 Krynski, A., 811.
 Ksanda, C. J., 594.
 Kuckuck, Walter, 1011.
 Kuhn (cited by F. C. Wood and G. M. MacKee), 704.
 Kulenkampff, H., 304.
 Kurlander, Joseph J., 981.
 Kurtz, A. D., 237, 244.
 Küstner, Hans, 3, 304, 703, 904.
 Küttner, Hermann, 144, 179, 480, 482.
 Kutzmann, Adolph A., 791.
 Kuznitsky, E., 330, 333.
 Laborde (cited by A. Steindler), 983.
 Laby, T. H., 597.
 Lacassagne, A., 88, 703, 807, 832, 891, 985, 1020.
 Lacharité, H., 84.
 Lachmann, Ernst, 603.
 von Lackum, H. L., 929.
 Lacouture (cited by W. W. Belden), 926.
 Laennec, Théophile, 25.
 Lahey, Frank H., 480, 482.
 Lake, George B., 729.
 Lakhowsky, G., 718.
 Lambie (cited by W. W. Webster), 916.
 Lambranzi, Mario, 1018.
 Lambret (cited by H. W. Weise), 480, 482.
 LaMotte, W. O., 75.
 Lanari, Eduardo L., 929.
 Lance (cited by W. W. Belden), 926.
 Landauer, L. S., 879.
 Landry, Benedict B., 270.
 Lane, Sir Arbuthnot, 916.
 Lane-Clayton, Janet, 987.
 Langendorff, H., 610.
 Lankenau Hospital Medical Clinic, 625.
 Lanzenberg (cited by W. W. Belden), 926.
 La Pierre, Gaston, 1016.
 Laqueur, A., 1013.
 Larimore, Joseph W., 974.
 Larkin (cited by S. Forsdike), 800.
 Laroche, Albert, 108.
 Larson, E. Eric, Report of patient with Ewing's sarcoma, 556.
 Larson (cited by A. L. Soresi), 491.
 Laryngology, Roentgen therapy in, 419.
 Larynx, Radium therapy in cancer of nose, and esophagus, H. M. Moran (abstract), 808.
 Lau (cited by H. Naujoks and H. I. Teperson), 334, 338.
 Laurie, Alan R., 1013.
 Lavedan, Jacques, 573.
 Law (cited by A. Granger), 814.
 Lawrence, Herman, 704.
 Lazarus-Barlow (cited by S. Forsdike), 800.
 League of Nations, Cancer sub-committee of Section of Hygiene, 85.
 Leavenworth, R. O., 815.
 Le Cocq, John F., 977.
 Leddy, E. T., 95, 101, 104, 408, 411, 414, 416, 423, 564, 572, 577, 599, 811, 817, 819, 822, 839, 941, 966-969, 973, 977, 998, 1010, 1018, 1026.
 Ledoux (cited), 96, 809.
 Ledoux-Lebard, —, 960.
 Lee, Burton J., 91, 297, 687, 693.
 Lee (cited by Hernaman-Johnson), 1017.
 Leeser, F., 975.
 Legal suggestions, S. W. Donaldson (editorial), 957.
 Lehotsky-Semmelweiss (cited by E. Zweifel), 585.
 Lemmel, G., 623.
 Lemon, W. S., 507.
 Lemon (cited by W. W. Priddle), 601.
 Lenz, Maurice, 691, 693, 891.
 Léo, G., 926.
 Leonard, Ralph D., 33, 37, 907, 908.
 Léri, Andre, 926.
 Lerner, Charles, 704.
 Lester, H. H., 535.
 Leucutia, T., 812.
 Leukemia, myelogenous, palliative radiotherapy of, 299.
 Leukemia, myelogenous, Radiation treatment in, S. Hammerschlag and H. Knospe (abstract), 418.
 Levin, Isaac, 210, 1012.
 Levitin, Joseph, 831.
 Levitt, Walter M., 85, 86, 88, 89, 109, 535, 574, 969, 985.
 LeWald, L. T., 30, 37, 84, 484, 485, 788, 926, 930.
 Lewin, P., 237, 244.
 Lewis, Dean, 145, 146, 220, 223, 265, 642.
 Lewis, Silas A., 787.
 Lewisohn (cited by H. W. Wiese), 480.
 Levy, D. M., 704.
 Lévy, G. R. J., 926.
 Levyn, Lester, 37.
 Libman Foundation, 108.
 von Lichtenberg, Alexander, 108, 796, 972, 1001.
 v. Lichtwitz, —, 108, 972.
 Lichty, John A., 1000.
 Liechti, A., 861.
 Lieck (cited by G. Jansson), 578.
 Liek, E., 926.
 "Lienography," Clinical use of, new method for roentgenologic demonstration of spleen and liver, M. Oka (abstract), 95.
 Light intensities, very small, New measuring device for, B. Rajewsky (abstract), 571.
 Light, Screening effect of upper layer of epidermis to, L. Freund (abstract), 1013.
 Light therapy and general practitioner, A. Laqueur (abstract), 1013.
 Lindemann (cited by F. C. Wood and G. M. MacKee), 697.
 Lindh, Axel E., 779, 782.
 Lindner, Henry J., 583.
 Lindsay, H. C., 90.
 Lindsay, Janvier, W., 179.
 Lingeman, L. R., Congenital syphilis of bone: case report, 953.
 Lion, G., 481, 482.
 Lip, tongue, and skin, Cancer of: Ministry of Health report, J. Lane-Clayton (abstract), 987.
 Lips and mouth, malignant condition of, Early diagnosis and treatment of, F. A. Figi (abstract), 985.
 Lips, cancer of, mouth and, Radiation therapy in treatment of, J. M. Martin, 881.
 Lisa, James R., 997.
 Little, Clarence C., 986.
 Liu, J. Heng, 255, 270.
 Liver and spleen, new method for roentgenologic demonstration of, Clinical use of "lienography," M. Oka (abstract), 95.
 Liver, Anomalous enlargement of, and dissecting hematoma of phrenic nerve: case report, K. Kornblum and G. W. Stephenson (abstract), 364.
 Lobstein (cited by L. Prussak and N. Mesz), 579.
 Loewenstein, Ludwig, 807.
 Loewy, Georges, 480, 482.

- Lohmann, Anne, joint-author, 322.
 L'ombre, 608.
 Long, M. L., 706, 718.
 Long, Wendell, 987.
 Longcope (cited by S. S. Riven and J. Reigenbaum), 1010.
 Loomis, A. L., 709, 710, 717, 718.
 Looser (cited by A. R. Kilgore and L. H. Garland), 682.
 Lorenz, E., 4-7, 12.
 Loucks, R. E., 1021.
 Louraschi (cited by O. M. Walters, B. J. Anson, and A. C. Ivy), 52, 57.
 Loveland, E. R., 391.
 Lowsley, Oswald S., 1008.
 Luc (cited by J. G. Hunt), 817.
 Lucas, Ernst, 87.
 Lüdin, M., 990.
 Ludwig (cited by E. Conte), 837.
 Lumbar spine, Oblique projection in examination of, M. J. Hubeny, 720.
 Lundwahl (cited by E. Zweifel), 585.
 Lung abscesses: clinical study, with especial emphasis on conservative treatment, H. I. Spector (abstract), 606.
 Lung abscess, Differential diagnosis of pulmonary tuberculosis, and bronchiectasis, F. P. McNamara (abstract), 823.
 Lungs and bronchi, carcinoma of, Primary, E. V. Goltz (abstract), 583.
 Lungs and valvular defects of heart, Radiologic aspect of, G. Balestra and A. Ghio (abstract), 92.
 Lung, Asbestosis bodies in sputum and, K. M. Lynch and W. A. Smith (abstract), 94.
 Lungs following roentgen exposure, Changes in, M. Lüdin and A. Werthemann (abstract), 990.
 Lungs, Hairline in roentgenogram of, L. Schall and F. Hoffmann (abstract), 600.
 [Lung] Interlobar fissure in roentgenogram, Normal and pathologic, I. G. Brdiczka and G. Wolf (abstract), 602.
 Lung lesions, non-tuberculous suppurative, Diagnosis and treatment of, J. H. Stygall (abstract), 603.
 [Lungs] Lobus venæ azygos: visibility on roentgenologic examination and significance for clinician, G. Velde (abstract), 93.
 [Lungs] Mediastinal pleural effusion: roentgenologic study, J. Sagel and L. G. Rigler (abstract), 604.
 Lung, neoplastic and other diseases of, Mechanism of physical signs in, with especial reference to atelectasis and emphysema, C. Jackson (abstract), 93.
 Lungs, "Pleural rings" or annular shadows in, W. Mitchell (abstract), 602.
 [Lungs] Pneumonitis, non-tuberculous suppurative, abscess, and bronchiectasis, Treatment of, J. Alexander and W. W. Buckingham (abstract), 991.
 [Lungs] Pneumothorax, Spontaneous, J. P. Palmer and R. B. Taft (abstract), 990.
 Lung, primary carcinoma of, Notes on pathology of, W. Boyd (abstract), 87.
 [Lungs] Pulmonary disease, Dust and, A. E. Russell (abstract), 605.
 [Lungs] Pulmonary infection, Relation of sinus disease of, from standpoint of roentgenologist, W. F. Manges (abstract), 1022.
 [Lungs] Pulmonary sclerosis and pleural adhesions, Deformation and displacements of hilum in, G. Pescatori (abstract), 598.
 Lung roentgenogram, Limits between normal and pathologic in, Nonnenbruch (abstract), 989.
 [Lungs] Roentgenologic appearance of lobular pneumonia (bronchopneumonia), N. W. Potte (abstract), 94.
 [Lungs] Roentgenological appearance of interlobar and mediastinal encapsulated effusion in thorax, Eugene Freedman, 14-29.
 [Lungs] Silicosis, T. H. Belt (abstract), 604.
 Lungs, Syphilis of, K. Herman (abstract), 599.
 Lupi, A., 926.
 Lupo, Massimo, 926.
 Lussana, S., 926.
 Lustig, W., 968.
 Luton, Sinclair, 403.
 Lutz, Wilhelm, 331, 333.
 Lyddane, E. Stuart, 829.
 Lymphangitis, carcinomatous pulmonary, Contribution to diagnosis of, E. Lucas and H. Pollack (abstract), 87.
 Lymphoblastoma, aleukemic and leukemic, Genetic neoplastic relationships of Hodgkin's disease, and mycosis fungoides, A. S. Warthin (abstract), 803.
 Lymphogranuloma, benign (sarcoid), 328.
 Lymphogranulomatosis clinically cured for four years, Case of, M. ten Doornkaat-Koolman (abstract), 404.
 Lymphogranulomatosis, Roentgen treatment of, H. U. Billich (abstract), 416.
 Lymphoid tissue, Tumor involving, D. S. Childs, 59-64.
 Lynch, F. W., 995.
 Lynch, Kenneth M., 94.
 Lynham, —, 961.
 Lyon, Ernst, 926.
 Lyons, Clinton G., 997.
 Lyons, Dorothy, 743.
 McCafferty, Lawrence K., 179.
 MacCallum (cited by T. S. Raiford), 255.
 MacCarty, William C., 460, 660, 663, 851, 855.
 McClelland, J. C., 1006.
 McCord, Carey P., 52, 58.
 McCoy, George W., 391.
 MacCraken, W. H., 729.
 McCullagh, E. P., 589.
 MacDermot, H. E., 402.
 McElfratrick, George C., 75.
 MacFee, William F., Treatment of advanced cancer of breast, 687.
 McGlinn (cited), 585.
 McGraw (cited by C. D. Murray), 616.
 MacGregor, A. E., joint-author, 30-38.
 MacGregor, R. R., 999.
 McGuire, Stuart, 643, 651.
 MacKee, George M., 79, 90 (here incorrectly spelled "McKee"), 341, 345, 415, 419; joint-author, 697; 704, 739, 743, 817, 818.
 McKie, E. V. M., 338.
 McKim, L. H., 981.
 McKinley, G. Murray, 710, 718.
 McKnight, J. L., 845.
 McLean, Stafford, 984.
 McLester, James S., 100.
 McNamara, F. P., 823.
 McPeak (cited by W. Clarkson), 814.
 McPhedran, Maurice, 603, 824.
 McRae, Duncan, 599.
 McVicar, C. S., 855.
 McWhorter, John E., 690, 693.
 Macdonald, Ian, 480, 482.
 Mackenzie, W. D., 409, 800, 835, 987.
 Mackoy, Frank W., 960.
 Macky, K. S., 926.
 Macleod, A. Garrard, 403.

- Madsen, J. P. V., 465.
 "Madura foot," 979, 980.
 Magnuson, Paul B., 926.
 Magrou, J., 718.
 Maier, R. J., 335, 338, 431, 616, 625, 830, 972, 976, 1018, 1030.
 Mailhes, R. J., 583.
 Major, Robert C., Lesions of upper humerus, 224.
 Malacia, secondary post-traumatic, 978.
 Malignancy of body of uterus, O. L. Norsworthy (abstract), 590.
 Malignancy, Skin: comments on therapy, R. H. Stevens, 435.
 Malignancy, varying degrees of, Multiple adenopapillomata of stomach, with report of case showing, F. D. Ackman (abstract), 103.
 Malignant conditions of colon, Diagnosis of, F. W. Rankin (abstract), 998.
 Malignant conditions of mouth and lips, Early diagnosis and treatment of, F. A. Figi (abstract), 985.
 Malignant disease, blood cholesterol in. Further studies of effect of radiation on, W. L. Mattick and M. C. Reinhard (abstract), 575.
 Malignant growths, Palliative radiotherapy of, F. C. Wood, 291.
 Malignant tumors of thyroid gland, C. Williams (abstract), 432.
 Malkin, T., 596.
 Mall, Franklin P., 263, 270, 334, 338.
 Mallinckrodt, Edward, Institute of Radiology, 75.
 Mallory (cited by F. J. Cotton), 658.
 Malugani, Pietro C., 822.
 Mandeville, Frederick B., 93, 404, 423, 430, 431, 577, 598, 608, 615, 793, 802-804, 807, 825, 828, 984, 986, 1017.
 Mandruzzato, F., 928.
 Manges, Willis F., 1022.
 Manheimer, Olga. *See* Becker-Manheimer, Olga.
 Manitoba Sanatorium, 599.
 Mann, Frank C., 619.
 "Marble bones," 162, 164, 165, 167, 168.
 Marchand (cited by C. E. Weaver), 64.
 Margolis, Harry M., 1026.
 Marie, T., 300.
 Martin, Albéric, 422.
 Marinelli, L., 29, 82, 86, 92, 96-100, 104, 400, 404, 406, 407, 422, 426, 599, 615, 617, 806, 823, 829, 837, 993.
 Marinus, Carlton J., 52, 58.
 Mariupolsky, A., 579.
 Mark, Ernest G., Uroselectan as medium for vesiculographic study: preliminary report, 933.
 Mark, H., 779.
 Markovits, Emmerich, 83.
 Marks, Jerome A., 101.
 Marshall, H. W., 242.
 Marshall, James M., 785.
 Martenstein, Hans, 704.
 Martin, A. M., 242.
 Martin, Charles L., 415, 798.
 Martin, Douglas D., 822.
 Martin, Hayes E., 592.
 Martin, H. G., 553.
 Martin, James L., 73, 743.
 Martin, James M., 377, 881-892.
 Martin, J. M., Radiation therapy in treatment of cancer of mouth and lips, 881. *See other references.*
 Martius, Heinrich, 926.
 Marxer, O. A., 31, 32, 34, 37.
 Mason, R. L., 495, 507.
 Master, A. M., 1010.
 Masterson, John J., 73.
 Mastoids—oblique, antero-posterior, sagittal incidence, symmetric images of, Procedure for obtaining, C. Crespellani (abstract), 404.
 Mastoids, Roentgen examination of paranasal sinuses and, A. Granger (abstract), 814.
 Maternity care, Rôle of radiography in, W. A. N. Dorland (editorial), 561.
 Maternity Center Association, 561.
 Matthews, Harvey B., 799.
 Mattick, Walter L., 575, 1019.
 Matz, Philip B., Study of bone tumors among ex-service men, 664.
 Matzner, Milton J., 97.
 Maucilaire, Pl., 926.
 Maughan, G. H., 740, 743.
 Maxwell, Harvey Cecil, 927.
 Maxwell, J. Preston, 410.
 Mayer, Edgar, 740, 742, 743.
 Mayer, Edmund, 836.
 Mayer (cited by B. L. Wyatt), 826.
 Mayo Clinic, 37, 97, 98, 204, 422, 480, 481, 484, 582, 583, 601, 669, 786, 820, 847, 851, 936, 985, 1003.
 Mayo (cited by W. L. Hearst), 582.
 Mazumder, K. C., 594.
 Measurements, Absorption, of X-ray general radiation, L. S. Taylor, 302.
 Measurements, radiation, Meteorological-medical, in defined regions of the spectrum, K. Büttner (abstract), 806.
 Measurements of half value layer in aluminum, H.-T. Meyer (abstract), 805.
 Measurement of high constant or rippled voltages, Apparatus for, Lauriston S. Taylor, 893.
 Meckel's cartilage, 220.
 [Mediastinum] Empyema, Posterior mediastinal, perforating into bronchus, Q. Vischia (abstract), 95.
 Mediastinum, Lipoma of, W. M. Yater and E. S. Lyddane (abstract), 829.
 [Mediastinum] Roentgenological appearance of interlobar and mediastinal encapsulated effusion in thorax, Eugene Freedman, 14-29.
 Mediastinum, superior and posterior, Roentgenological study of, S. Brown and H. G. Reinecke (abstract), 990.
 Medical Care, Costs of, Committee on, 388.
 Mehl, Robert F., Doan, Gilbert E., and Barrett, Charles S., Radiography by use of gamma rays, 508.
 Mehl, Robert F., joint-author, 461.
 Meigs, Joe V., 831.
 Meisels, Emil L., 927.
 Meisels, L., 927.
 Meisenbach, Roland O., 234, 242.
 Meland, Orville N., 90, 91.
 Melchart, Franz, 1020.
 Meller, Oskar, 620.
 Mellon, Ralph R., 710, 718.
 (Meloreostosis) eburnizing osteitis of single bone, Case of, A. Piergrossi (abstract), 977.
 Melorheostosis (Léri) and generalized osteitis condensans or osteopoikilia (Albers-Schönberg), A. Kahlstorf (abstract), 580.
 Meltzer-Lyon test, 98.
 Menagh, F. R., 329, 330, 332.
 Menard, O. J., 802.
 Meneses, Thomas O., 401, 799.
 Mengle, H. A. K., 546.
 Menke, H., 780.
 Menopause, menorrhagia of, and uterine fibroids, Further report on X-ray treatment of, L. J. Carter, 44-46.
 Menorrhagia and irregular uterine hemorrhage, Radium in treatment of, M. Donaldson (abstract), 408.

- Menorrhagia of menopause and uterine fibroids, Further report on X-ray treatment of, L. J. Carter, 44-46.
- Menstrual headaches, Radiation therapy in, C. L. Martin (abstract), 415.
- Mentzer, Stanley, 680.
- Menville, Leon J., 825, 846, 960, 998.
- Menopause, therapeutic, Low voltage X-ray for, J. C. Potter (abstract), 798.
- Merklen, Pr., 927.
- Merlo Gomez, Jose F., 927.
- Merriitt, E. A., 814.
- Mesz, Natan, 579.
- Metropolitan Life Insurance Company, 561.
- Metzger, Irvin D., Roentgenology and internship (editorial), 68-70.
- Metzger, —, 621.
- Meyer, Heinz-Theodor, 798, 805.
- Meyer, Hermann, 927.
- Meyer, Jacob, 625.
- Meyer, Willy, 773.
- Meyer (cited), 463, 467, 512, 517, 585.
- Meyer-Borstel, H., 986.
- Meyerdling, Henry W., 179, 180, 242, 669, 671, 672, 678, 820, 927.
- Meynadier, E., 927.
- Michael, Jeffrey C., 341, 345.
- Michailovsky, N., 746, 751.
- Middleton, W. S., Pohle, E. A., and Ritchie, Gorton, Adenocarcinoma of bronchus, with widespread metastases: case report, 945.
- Miescher, G., 732, 736.
- Miescher (cited by L. Freund), 1013.
- v. Mikulicz (cited), 585, 684.
- Milani, —, 961.
- Miller, Hiram E., 345.
- Miller, J. Duane, 401.
- Miller, O. L., 981.
- Miller, Sydney R., 390, 785.
- Miller, S. W., 819.
- Miller (cited by H. B. Matthews), 799.
- Milles, G., 1002, 1004.
- Mills, Nathaniel, 918, 927.
- Mills (cited by J. Friedenwald), 99.
- Millstone, Henry J., 933, 935.
- Minnesota Radiological Society, 73, 564.
- Minot, George R., 692, 693.
- Miranda, Francisco de P., 772.
- Misske, Bruno, 607.
- Mitchell, J. K., 983.
- Mitchell, S. Weir, 983.
- Mitchell, William, 602.
- Moeller, A., 834.
- Moglia, Giovanni, 1009.
- Moles, 441.
- Moles, Cancerous, S. J. Wilson (abstract), 988.
- Möller, H., 594.
- Momm, W., 936, 940.
- Monod, Octave, 89.
- Monroe, Robert T., 480, 482, 787.
- Montanari, Arrigo, 394.
- Montgomery, A. H., 543.
- Montgomery (cited by H. Rudisill, Jr.), 942, 943.
- Mooney, Bernard R., 335, 338.
- Moore, Alexander B., 97, 609, 853, 855.
- Moore, Beveridge H., 927.
- Moore, John R., Tumors of os calcis, 232.
- Moore, Sherwood, 67, 612.
- Moore, Thomas D., 1005.
- Mora, J. M., 984, 1017.
- Moran, H. M., 806.
- Moreau, Ch., 481, 482.
- Moreau, L., 927.
- Morel (cited by G. Rotolo), 576.
- Morel-Kahn, —, 960.
- Morelle, Jean, 982.
- Morestin, H., 242.
- Morgan, Hugh J., 600.
- Morgan, William Gerry, 391.
- Mörikofer, W., 547.
- Morlock, H. V., 601.
- Morris (cited by W. W. Belden), 921.
- Morrison, L. B., 86.
- Morrow (cited by R. D. Spangler), 359, 361.
- Morse, P. F., 66.
- Morse, Sterne, 322, 324, 327.
- Mortimer, Bernard, Experimental hyperthermia induced by high frequency current, 705.
- Morton, S. Archibald, joint-author, 328; 411, 564.
- Morton (cited by Krebs, C., Rask-Nielsen, H. C., and Wagner, A.), 565.
- Mosenthal, —, 85.
- Mouchet, Albert, 925, 927.
- Mouth and lips, malignant condition of, Early diagnosis and treatment of, F. A. Figi (abstract), 985.
- Mouth and lips, cancer of, Radiation therapy in treatment of, J. M. Martin, 881.
- Mouth, cancer of, Radiation therapy in, with especial reference to use of pure gamma rays, G. E. Pfahler and J. H. Vastine (abstract), 988.
- [Mouth] Intra-oral cancer and its treatment, A. Soiland and O. N. Meland (abstract), 91.
- Mucosa, Roentgenologic demonstration of, by means of umbrathor: contribution to roentgenologic diagnosis of ulcerative colitis, H. Regelsberger (abstract), 95.
- Muff, Walther, 334, 338.
- Muir, John, 616.
- Mull, Wilhelm, 927.
- Müller, Alex, 596.
- Müller, A., 360, 927.
- Müller, C. H. F., 355.
- Müller, E. F., 703, 1002, 1004.
- Muller, George P., 495, 507.
- Müller, Sven, 927.
- Muller (cited), 405, 429, 571, 927.
- Mullin, W. V., 1023.
- Murchison (cited by N. Voorhoeve and H. W. Wiese), 480, 482.
- Murphy, Arthur J., 1003.
- Murphy, Douglas P., Irradiation and pregnancy (editorial), 771.
- Murphy, George T., 97.
- Murphy (cited by Krebs, C., Rask-Nielsen, H. C., and Wagner, A.), 565.
- Murray, Cecil D., 616.
- Murray, C. R., 742, 743.
- Murray (cited by W. B. Coley), 655.
- Mutscheller, A., 13, 303, 308, 312, 857.
- Muzii, Mario, 96, 941.
- Mycetoma, Maduromycotic (Madura foot): report of case occurring in American negro, J. W. Jones and H. S. Alden (abstract), 979.
- Myelitis, traumatic, Roentgenologic findings in series of seventy-two cases of, due to fracture of spine, E. S. Gurdjian (abstract), 819.
- Myeloma, Endothelial, or Ewing's sarcoma, W. B. Coley, 627.
- Myeloma, multiple, 159, 175-178, 185, 283.
- Myelomatosis in child of 8 years, P. Jacoby (abstract), 427.
- Myers, Jay A., 73.
- Myoma, gastric, Roentgenologic demonstration of, H. Gebhardt (abstract), 617.
- Myositis ossificans, 144, 145, 149, 151-154, 280.
- Myxosarcoma of bone, 137, 141, 142.

- Naegeli (cited by Krebs, C., Rask-Nielsen, H. C., and Wagner, A.), 565.
- Nähring, Erich, 782.
- v. Náray-Szabó, St., 782.
- National Tuberculosis Association, 803, 1031.
- Natta, G., 595, 783.
- Naujoks, H., 334, 335, 338, 405.
- Neeff, T. C., 12, 315, 401, 470, 611, 785.
- Neill, William, Jr., 590.
- Nell, W., 574.
- Nelson, W. C., 710, 718.
- Neoplasm, gastric, Epibronchial diverticulum of esophagus in patient affected by, M. Muzii (abstract), 96.
- Nephrolithiasis, Roentgenological control of exposed kidneys in operations for nephrolithiasis, with use of special intensifying cassette, E. Beer (abstract), 1007.
- Nessa, N. J., 335, 338.
- Neugebauer (cited by W. W. Belden), 916.
- Neuhof, Harold, 693.
- Neurofibroma arising on pericardial pleura, W. L. Keller and G. R. Callender (abstract), 598.
- Neurology, Roentgen therapy in, 419.
- New, G. B., 222, 223.
- New York Dermatological Society, 701.
- New York Roentgen Society, 394.
- New York Surgical Society, 646.
- Newell, R. R., 4.
- Newman, Rollo K., 571.
- Neymann, Clarence A., 718, 993.
- Nichols, Bernard H., 73, 794.
- Nicolaysen, N. A., 927.
- Nicory, Clement, 835.
- Niedlich, W., 927.
- Nijkerk, N., 704.
- Nipple, bleeding, Contribution to radium therapy of, F. F. Dautwitz (abstract), 810.
- Nishina (cited by C. S. Barrett, R. A. Gezelius, and R. F. Mehl), 437.
- Nitrites, complex, Chemical and crystalline structure of several, A. Ferrari and C. Colla (abstract), 596.
- Nitrogen excretion in urine following roentgen and radium treatment, G. K. F. Schultze (abstract), 420.
- Nitrogen peroxide from mechanical rectifiers of deep X-ray therapy plant, R. K. Newman (abstract), 571.
- Noiré, Henri, 322, 327.
- Nonnenbruch, —, 989.
- Nordstrom, L. O., 615.
- Norrish, R. G. W., 327.
- Norsworthy, O. L., 590.
- Northrop, John H., 327.
- Northwestern University Medical School, Chicago, 623.
- Northwestern University Medical School, Quarterly Bulletin of, 82.
- Nose, Radium therapy in cancer of, larynx, and esophagus, H. M. Moran (abstract), 808.
- Novak, Josef, 927.
- Nowakowski, A., 593.
- Nürnberg, Ludwig, 405.
- Nuvoli, Umberto, 394.
- Nuzzi, O., 927.
- Oberholt. *See* Overholt, Richard H.
- Oberlin, E. G., 535.
- O'Brien, E. J., 606, 826.
- O'Brien, W. A., 73.
- Obstetric diagnosis, Roentgen ray as an adjunct in, H. B. Matthews (abstract), 799.
- Obstetrics and gynecology, roentgenographic contrast diagnosis in, Newer methods of, J. Jarcho (abstract), 801.
- Obstetrics, roentgen diagnosis in, Results and value of, K. Heim (abstract), 1009.
- Odelberg, Axel, 270.
- Odessky, J., 576.
- Oertel, Horst, 86.
- Offspring, question of injury to, 110.
- Ohshima, K., 781.
- Oils, brominated, and brominated esters, Preparation of some, H. L. Wikoff (abstract), 992.
- Oils, brominated, Pharmacology of, C. S. Smith and H. L. Wikoff (abstract), 992.
- Oil, iodized rapeseed (campidol): use in roentgenographic visualization of body cavities, M. A. Glaser (abstract), 992.
- Oil, iodized, Technic of intratracheal injection of, J. R. Head (abstract), 95.
- Oil, iodized, Use of, in diagnosis of nasal sinus conditions: Further observations, H. M. Goodyear (abstract), 1023.
- Oils, radiopaque, Biliary tract visualization with, R. H. Overholt (abstract), 613.
- Oka, Mitsutomo, 95.
- Oliver, Robert Lee, Bone lesions of lower radius, 245.
- Olivier, E., 927.
- Ontario, Canada, pilicosis in, 604.
- Oögenesis, Histological study on effects of X-rays on ovary during period of, G. Gricouroff (abstract), 109.
- Ophthalmology, Roentgen therapy in, 419.
- Opie, Eugene L., 823.
- [Oral cavity] Intra-oral cancer and treatment, A. Soiland and O. N. Meland (abstract), 91.
- Orator (cited), 787, 851, 855.
- O'Reilly, Archer, 927.
- Ormond (cited), 1008.
- Orndoff, Benjamin H., 53.
- Orten (cited by C. E. Weaver), 64.
- Orton, L. H. H., 783.
- Os calcis, Fractures of, G. Rotolo (abstract), 576.
- Os calcis, Tumors of, John R. Moore, 232.
- Os naviculare pedis, Bilateral disease of, in adults, A. Wilke (abstract), 932.
- Osborne, Earl D., and Putnam, Edwin D., Treatment of warts, 340.
- Osborne, S. L., 718, 993.
- Osborne, Wilmoth A., 420.
- Osgood, Robert B., 975.
- Osler, Sir William, 785, 841.
- Osteitis chronica deformans Paget, atypical bone changes in, Contribution to question of, G. Bastian (abstract), 405.
- Osteitis condensans, generalized, or osteopoikilia (Albers-Schönberg), Melorheostosis (Léri) and, A. Kahlstorff (abstract), 580.
- Osteitis condensans generalisata. *See* Osteopoikilia.
- Osteitis deformans, 169-173.
- Osteitis deformans (Paget's disease), Discussion of some cases of, E. Conte (abstract), 406.
- Osteitis deformans (Paget), generalized, with secondary malignant degeneration, Case of, V. Genner and H. Boas (abstract), 578.
- Osteitis deformans: treatment by ultra-violet rays, C. Nicory (abstract), 835.
- Osteitis, eburnizing, of single bone (meloreostosis), Case of, A. Piergrossi (abstract), 977.
- Osteitis fibrosa, F. J. Cotton, 657.
- Osteitis fibrosa localisata, A. R. Kilgore and L. H. Garland, 679.
- Osteoarthropathy, Hypertrophic pneumie (Pierre Marie), C. Blumensaat (abstract), 992.
- Osteochondritis dissecans, considered from X-ray viewpoint, G. Jansson (abstract), 578.

- Osteitis fibrosa, 132, 133.
 Osteitis fibrosa cystica generalisata, Case of, R. Kienböck, and E. Markovits (abstract), 83.
 Osteitis, Garré's non-suppurative, 126-129, 134, 146, 147.
 Osteochondromas, 112-117.
 Osteochondromas, Congenital exostoses and their transformation into, Mosenthal (abstract), 85.
 Osteogenesis imperfecta, 165-167.
 Osteology, pathologic, Contributions to: (A) unilateral patella partita; (B) joint formation in body of first rib, A. Pickham (abstract), 575.
 Osteoma of frontal sinus, R. O. Leavenworth (abstract), 815.
 Osteomalacia, 176-178.
 Osteomalacia and fetal rickets, J. P. Maxwell (abstract), 410.
 Osteomalacia, Lunate, E. S. Blaine (abstract), 978.
 Osteomyelitis, 137-140, 146, 147, 222.
 Osteomyelitis, metastatic, 166.
 Osteomyelitis, non-suppurative, 246.
 Osteomyelitis, Non-suppurative, L. Clarence Cohn, 187.
 Osteomyelitis, subacute, of femur, resembling sarcoma, Report of five cases of, G. A. Stewart, 271.
 Osteomyelitis variolosa: report of three cases, J. F. Le Cocq (abstract), 977.
 Osteopoikilia, Case of, G. Gr. Awalischwili (abstract), 83.
 Osteospathyrose, Idiopathic, L. Prussak and N. Mesz (abstract), 579.
 Osteospathyrosis, idiopathic, 166.
 Otology, Roentgen therapy in, 419.
 Ott, Emil, 732.
 Ott, Theo, 927.
 Ottaviani, Gaetano, 1010.
 Otten, M., 16, 28.
 Ottonello, Pietro, 29, 101, 427.
 Oudard (cited by W. W. Belden), 927.
 Ovarian disorders, functional, Irradiation therapy in, F. A. Ford, 936.
 Ovary and peritoneum, endometrial tumors of, Temporary amenorrhea in treatment of, H. Albrecht (abstract), 109.
 Ovary during period of oögenesis, Histological study on effects of X-rays on, G. Gricouroff (abstract), 109.
 Overholt, Richard H., 499, 507, 605, 613, 994.
 Oxygen injection into joint, Tuberculosis of knee joint, demonstrated by, B. Ulrichs (abstract), 433.
 Pack, George T., 591, 813, 1018.
 Packard, Charles, 553, 611, 698, 704.
 Packard, George B., 652, 653.
 Page, A. B., 711, 719, 736.
 Paget, Sir James, 172, 180, 188, 694.
 Paget's disease, 170, 172, 173, 188, 189, 193, 195-197, 406, 578, 657-659, 679, 682, 694-696.
 Paget's disease of bone, Harvey Smith, 694.
 v. Páll, Gabriel, 927.
 Pallasse (cited by W. W. Belden), 927.
 Palmer, Bean M., 806.
 Palmer, L. A., 638, 644, 653.
 Palmer, J. P., 990.
 Palmer, Myron B., 927.
 Palmieri, A., 927.
 Palugyay, Josef, 107, 996, 1022.
 Pan-American Medical Association, Program of Third Congress of, 772.
 Pancoast, Henry K., 423, 600, 821, 966.
 Pancreas, acute necrosis of, Diagnosis and therapy of, R. Ehrmann (abstract), 99.
 Pansdorf, H., 100.
 Paralysis, infantile, Importance of encephalography for diagnosis and therapy of, L. Guttman (abstract), 422.
 Parathyroid glands and thyroid, Effect of X-rays on, O. M. Walters, B. J. Anson, and A. C. Ivy, 52, 58.
 Paraurethritis, S. J. Silbar (abstract), 793.
 Pardoll, Davis H., 104, 790-793, 795-797, 1002-1007, 1009.
 Parenti, Silvio, 993.
 Parhon, C. I., 1024.
 Parhon-Stéfanescu, Constance, 1024.
 Paris, cancer treatment in, 377, 378.
 Paris, University of, Radium Institute of, 88, 573.
 Paris, University of, Radium Institute of, Radio-physiological and medical sections of, C. Regaud (abstract), 535.
 Parker, Morris L., 625.
 Parotiditis, post-operative: Treatment without and with radium, F. W. Rankin and B. M. Palmer (abstract), 806.
 Parry, Leo D., 546.
 Pars petrosa, anatomy and of semeiotics of, Radiographic researches of technic of, A. Ratti (abstract), 422.
 Partsch (cited by Richard F. C. Kegel), 220, 223.
 Pasteur, W., 507.
 Patch, Frank S., 107, 790.
 Patella, bone cyst of, Final report on case of, Wallace H. Cole, 752.
 Patey, D. H., 499, 507.
 Patrick, L. E., 815.
 Patterson Screen Company, 771.
 Paul, John R., 145, 179.
 Pauling, Linus, 595, 597, 779.
 Paulson, Moses, 904.
 Pausdorf, Hans, 574.
 Peabody, C. W., 927.
 Pearl, Raymond, 98.
 Peck, Willis S., Educational problems in physical therapy, 726.
 Pediatrics, Actinotherapy in, G. La Pierre (abstract), 1016.
 Pediatrics, Application of radiology to practice of, with indications and contra-indications, W. L. Mattick (abstract), 1019.
 Peck, F. W., 893.
 Pellegrini, Augusto, 927.
 Pelvic inflammatory diseases, Roentgen therapy of subacute and chronic, L. Seitz (abstract), 416.
 Pelvis and maternal mortality, F. Stoney (abstract), 400.
 Pelvis, metastasis to vertebrae and bones of, from carcinoma of breast, Roentgen treatment of, E. T. Leddy (abstract), 811.
 Pemberton, John de J., 430.
 Pemberton, Ralph, 975, 976.
 Pendergrass, Eugene P., 507, 821, 978, 1024.
 Penfield, Wilder, 425.
 Pennsylvania, state of, intern law in, 68.
 Periostritis, non-suppurative, 182.
 Periostritis, ossifying, 146-148, 155, 280.
 Peritoneal cavity, Air in: effect on position and activity of diaphragm, R. H. Overholt (abstract), 994.
 Peritoneum and ovary, endometrial tumors of, Temporary amenorrhea in treatment of, H. Albrecht (abstract), 109.
 Perona, Pietro, 1010.
 Perotti, C., 927.
 Perotti, Desiderio, 426.
 Persson, Elis, 781.
 Perthes, J., 58.
 Perussia, Felice, 407.

- Pescatori, Guido, 598.
Petersen, B. W., 327.
Petersen, W. F., 1002, 1004.
Peterson, Charles H., 623.
Peterson (cited), 973.
Pette, H., 927.
Peyer's patches, 264.
Pfahler, George E., 58, 91, 420, 443, 536, 546, 553, 589, 739, 743, 891, 892, 967, 988, 1017.
Pfeiffer, C., 52, 57.
Pfeiffer (cited by B. Misske and A. Sylla), 607.
Phelps, W. M., 740, 743.
Phemister, D. B., 179, 537.
Photography, intragastric, Diagnosis of gastric lesions by: preliminary report, R. Finkelstein (abstract), 620.
Phragmen (cited), 594, 597.
Physical therapy and radiotherapy during 1929, C. R. Brooke (abstract), 29.
Physical therapy, Biophysical principles of, K. W. Stenstrom, 730.
Physical therapy, Educational problems in, Willis S. Peck, 726.
Physical therapy, Symposium on, Ernst A. Pohle, 725.
Physikalisch-Technischen Reischsanstalt, 12.
Physiotherapy, Historical background of (abstract), 1014.
Pickett, Lucy W., 322, 326, 327.
Pickhan, A., 575.
Picot (cited by W. W. Belden), 927.
Piergrossi, Aldo, 977.
Pietrantonio, Luigi, 823.
Pilon, H., 74.
Pincoffs, Maurice C., 390.
Pincussen, Ludwig, 574.
Pine, Mary, 509, 513.
Piney, Alfred, 180, 199, 208, 210.
Pinzani (cited by H. Naujoks and H. I. Teperson), 334, 338.
Piper, S. H., 596.
Pittoni, Ezio, 927.
Plank, T. H., 210.
Platau (cited by R. H. Jamieson and F. Hernaman-Johnson), 810.
Platt, Harry, 984.
Plaut, Alfred, 660, 663.
Plenk, Andreas, 270.
Pleuritis carcinomatosa and sarcomatosa exudativa, Radiation therapy of, I. Heeren (abstract), 418.
Plewes, D. F., 830.
Pomeranz, R., 991.
Pneumocephalus, Traumatic, S. W. Miller, R. N. Klemmer, and P. O. Snoke (abstract), 819.
Pneumocephalus, Traumatic: report of 8 cases, C. W. Rand (abstract), 424.
Pneumo-encephalography, Studies in, F. J. Farnell, S. F. H. Howes, and J. B. Hudson (abstract), 423.
Pneumonia, Fibrinous, with partial lobar consolidation, M. Viamonte (abstract), 92.
Pneumonia, lobular (bronchopneumonia), Roentgenologic appearance of, N. W. Potte (abstract), 94.
[Pneumonia] Roentgenological appearance of interlobar and mediastinal encapsulated effusion in thorax, Eugene Freedman, 14-29.
Pneumothorax, cardiac pulsation in, Further studies on, A. Vallebona (abstract), 599.
Pneumothorax cavities, artificial, Fibrin bodies in, or pleural mouse, H. V. Morlock and F. G. Wood (abstract), 601.
Pneumothorax, Congenital: review of literature and report of case, J. Stein (abstract), 92.
Pneumothoraces, Localized, as cause of annular shadows in roentgenograms of chest, W. P. Warner (abstract), 601.
Pneumothorax, Spontaneous, J. P. Palmer and R. B. Taft (abstract), 990.
Podestà, Vittorio, 571, 839.
Podkaminsky, N. A., 413.
Podlasky, H. B., 430.
Pohl, Rudolf, 573.
Pohle, Ernst A., 89, 110, 302, 308, 317-319, 400, 401, 404, 405, 407, 408, 411-418, 420-422, 426, 432, 445-460, 491, 547, 571, 572, 574, 575, 587, 590, 611, 719, 736, 737, 739, 743, 784, 785, 798, 799, 802, 805, 806, 808, 810, 811, 813, 814, 826, 827, 829, 833, 835, 836, 838-840, 904, 941, 945-948, 973, 974, 991, 994, 995, 1013, 1018, 1022, 1029.
Pohle, Ernst A., Symposium on physical therapy, 725.
See other references.
Pohle, E. A., Ritchie, Gordon, and Wright, C. S., Studies of effect of roentgen rays on healing of wounds. I. Behavior of skin wounds in rats under pre- and post-operative irradiation, 445.
See other references.
Polano, O., 400.
Pollack, Herbert, 87.
Pólya, Eugene, 891.
Polycythemia vera, Radiation therapy of, G. T. Pack and L. F. Craver (abstract), 813.
Pope, Charles, 563.
Popoff, B. P., 928.
Porchovnik, J. B., 415.
Porro, N., 577.
Portmann, Georges, 392.
Portmann, U. V., 4, 8, 304, 703.
Post, W. E., 541.
Potassium in radiobiology, P. Ottonello (abstract), 29.
Potenza, Vito, 98.
Potte, N. W., 94.
Potter, J. Craig, 798.
Potter (cited by H. C. Bumpus, Jr.), 790.
Powell, Barton J., 612.
Pozzo, Mario V., 928.
Prasad, Mata, 779.
Pratt, G. P., 480, 482.
Pray, Ralph E., 1027.
Pregnancy after radium therapy for cervical carcinoma: Cesarean hysterectomy at eighth month, G. B. Contardo (abstract), 1009.
Pregnancy, Irradiation and, Douglas P. Murphy (editorial), 770.
Pregnancy, X-rays in, Some notes on value of, H. R. Sear (abstract), 1009.
Presser, Karl, 851, 855.
Price, Charles W., 818.
Prickett, C. J., 75.
Priddle, W. W., 601.
Prince, Howard L., 244.
Prins, J. A., 780, 783.
Pritchard, Stuart, 822.
Protection against radiant energy, Concerning question of protective lead thicknesses in international recommendations and German ordinances regarding, R. Glocker (abstract), 406.
Protection against radiant energy, Thickness of lead protection in German ordinances regarding, J. H. van der Tuuk and W. H. Boldingh (abstract), 406.
Protozoa, Effect of barium sulphate upon incidence of human intestinal, J. Andrews and M. Paulson (abstract), 904.
Prussak, Leon, 579.
"Prussian disease," 144.
Pryor, John H., 507.

- Psoriasis, Multiple X-ray carcinomas following:
Case report and comment, H. Goodman and C. W. Price (abstract), 818.
- Psychiatry, Roentgen therapy in, 419.
- von Puech (cited by H. I. Teperson), 334.
- Pulvirenti, M. S., 928.
- Pusch, Gerhard, 928.
- Pusch, Lewis C., Relation between histologic structure and prognosis in sarcoma of skin and fascia, 660.
- Putnam, Edwin D., joint-author, 340.
- Putti, V., 928, 977.
- Pyelographic image after injection of uroselectan, L. Turano (abstract), 104.
- Pyelography, cystographic, Comparative value of uroselectan, R. H. Herbst (abstract), 1004.
- [Pyelography] Examination of urinary ducts, with new substance intravenously injected, D. Tagli (abstract), 104.
- Pyelography, Excretion, with abrodil, H. Bronner and J. Schueller (abstract), 792.
- Pyelography, Intravenous, A. Laroche (abstract), 108.
- Pyelography, intravenous, in pathological conditions of kidneys, Experimental research concerning, G. Gabriel (abstract), 791.
- Pyelography, intravenous, Uroselectan for, J. C. McClelland (abstract), 1006.
- Pyloric and prepyloric deformities, Roentgenologic significance of, J. D. Camp, 847.
- Pyloric stenosis, Hypertrophic, in adults: roentgen aspects, V. W. Archer (abstract), 99.
- Plorus, carcinoma of, early, Contribution to diagnosis of, H. Meyer-Borstel (abstract), 986.
- [Pylorus] Pyloric stenosis, hypertrophic, Some interesting cases of, R. R. MacGregor (abstract), 999.
- Pytel, A. J., 427.
- "Quality" of X-ray tube and how to measure it, A. Bouwers, 353.
- Quick, Douglas, 91, 548, 553, 587, 588, 591, 592, 891, 1017.
- Quigley, D. T., What shall we teach public in regard to cancer and how shall we present it? 369.
- Quimby, Edith H., 13, 302, 308, 310, 317, 327, 592, 867, 967, 1007.
- Quinn, Claude E., 394.
- r-unit, definition of, 1.
- r-unit, work at University of Freiburg to determine, 973.
- Raderma cream, 422.
- Radiations, biological action of, Further studies on, of different wave lengths, E. Conte (abstract), 837.
- Radiation, blue-gray bright spot, of Lilienfeld-Roentgen tubes, New investigation on, F. Rother and W. M. Cohn (abstract), 780.
- Radiation dosimetry, bio-electric, Ways and aspects of (second communication): Measuring of polarization and radiation stimuli, H. Regelsberger (abstract), 405.
- Radiation, economic aspect of, 299.
- Radiation from wireless valves, H. M. S. Turner (abstract), 719.
- Radiation, Hairy tongue following adjacent, M. T. Van Studdiford (abstract), 808.
- Radiation injuries to skin, Possibility of preventing, E. Uhlmann (abstract), 422.
- Radiation measurements, Meteorological-medical, in defined regions of spectrum, K. Büttner (abstract), 806.
- Radiation on blood cholesterol in malignant disease, Further studies on effect of, W. L. Mattick and M. C. Reinhard (abstract), 575.
- Radiation, Penetrating, in atmosphere, M. H. Schulze (abstract), 404.
- Radiation, reaction of albumin to, Time factor of, W. Gentner (abstract), 839.
- Radiation, Sources of, and their physical characteristics, W. W. Coblenz (abstract), 838.
- Radiation, Stem, air absorption, and inverse square law, H. Hase and H. Küstner (abstract), 904.
- Radiation therapy in cancer of mouth, with special reference to use of pure gamma rays, G. E. Pfahler and J. H. Vastine (abstract), 988.
- Radiation therapy in carcinoma with fractional doses, Present methods and results of, L. Freund (abstract), 415.
- Radiation therapy in menstrual headaches, C. L. Martin (abstract), 415.
- Radiation therapy in toxic goiter, Results of, P. Jaguttis (abstract), 1028.
- Radiation therapy in treatment of cancer of mouth and lips, J. M. Martin, 881.
- Radiation therapy of carcinoma, Auxiliary methods in, H. Hirsch (abstract), 415.
- Radiation therapy of pleuritis carcinomatosa and sarcomatosa exudativa, I. Heeren (abstract), 418.
- Radiation therapy of polycythemia vera, G. T. Pack and L. F. Craver (abstract), 813, 1018.
- Radiation therapy of thrombophlebitis, J. Halban (abstract), 811.
- Radiation therapy of tumors of pituitary body, Radiological diagnosis and, Q. Vischia (abstract), 829.
- Radiation treatment, combination isamin blue, Experience with, H. Cramer (abstract), 412.
- Radiation treatment of carcinoma, Present methods of, and results: III.—Saturation method of Pfahler and Kingery, H. Holfelder (abstract), 589.
- Radiation treatment in myelogenous leukemia, S. Hammerschlag and H. Knospe (abstract), 418.
- Radiation, ultra-violet, Biologic test of, emitted by Vitalux lamp, L. Böhmer (abstract), 838.
- Radiation, ultra-violet, in infants with tetany, Dosage of, H. Bakwin and R. M. Bakwin (abstract), 834.
- Radiation, ultra-violet, on tissue cultures, Effect of, E. Mayer (abstract), 836.
- Radiation, X and gamma, upon aqueous solutions of iodine and potassium iodide, Action of, G. Harker (abstract), 783.
- Radiation, X-ray general, Absorption measurements of, L. S. Taylor, 302.
- Radiobiology, Potassium in, O. Ottonello (abstract), 29.
- Radiographic aspects of laryngeal tuberculosis, L. Feci and L. Pietrantonio (abstract), 823.
- Radiographic method, New, for study of cervical vertebrae, P. Ottonello (abstract), 427.
- Radiographs, mediastinal, Thymus problem to date, based on study of 475, J. H. West (abstract), 1027.
- Radiography by gamma rays, Technique of, C. S. Barrett, R. A. Gezelius, and R. F. Mehl, 461.
- Radiography by use of gamma rays, R. F. Mehl, G. E. Doan, and C. S. Barrett, 508.
- Radiography, Cranial, E. Dufresne (abstract), 1025.
- Radiography in maternity care, Role of, W. A. N. Dorland (editorial), 561.
- Radiologic aspect of lungs and valvular defects of heart, G. Balestra and A. Ghio (abstract), 92.
- Radiologic examinations in past six years, Some considerations of 4,600, M. Muzii (abstract), 941.

- Radiologic technic, radiations in, Effect of intensifying screens in relation to quality of, V. Podestà (abstract), 571.
- Radiological aid in study of chronic colitis, A. Gavazzoni (abstract), 100.
- Radiological aspects of duodenal mobility, V. Dall'Acqua (abstract), 99.
- Radiological control on duodenal drainage, Importance of, G. Chizzola (abstract), 98.
- Radiological diagnosis and radiation therapy of tumors of pituitary body, Q. Vischia (abstract), 829.
- Radiological diagnosis of duodenal ulcer, A. Anzi-lotti (abstract), 98.
- Radiological diagnosis of duodenal ulcer, P. Buisson, M. Bermond, and M. Buisson (abstract), 617.
- Radiological observations on tuberculous lobitis, Clinical and, P. C. Malugani (abstract), 822.
- Radiological signs of early cancer of stomach, A. Salotti (abstract), 86.
- Radiological study of stenotic affections of esophagus, New technic for, G. Chizzola (abstract), 96.
- Radiologists, blood of, Researches on, J. Lavedan (abstract), 573.
- Radiologist, Requirements of clinician from, and vice versa, G. B. Batten (abstract), 686.
- Radiology and medicine, Relationship between, W. Clarkson, 491.
- Radiology, Application of, to practice of pediatrics with indications and contra-indications, W. L. Mattick (abstract), 1019.
- Radiology as career, T. A. Groover, 841.
- Radiosensitivity of cells, Relation between division rate and, C. Packard (abstract), 553.
- Radiotherapy for inflammatory conditions, A. U. Desjardins (abstract), 1018.
- Radiotherapy, in adenocarcinoma of uterus, Results of, A. Lacassagne (abstract), 88.
- Radiotherapy in sarcoma, Indication for, A. Lacassagne (abstract), 985.
- Radiotherapy in treatment of basal-cell epithelioma of skin, Electrodesiccation versus, G. Archambault and A. Marin (abstract), 422.
- Radiotherapy, Lymphoma malignum (Hodgkin's disease) and lymphosarcoma: Pathogenesis, and prognosis, I. Levin (abstract), 1012.
- Radiotherapy, microbial flora of carcinoma of cervix and their importance in, study of, R. Vinzent and O. Monod (abstract), 89.
- Radiotherapy of carcinoma of uterine cervix at Radium Institute of Paris, A. Lacassagne (abstract), 88.
- Radiotherapy, Palliative, of malignant growths, F. C. Wood, 291.
- Radiotherapy, Physical therapy and, during 1929, C. R. Brooke (abstract), 29.
- Radiotherapy, Specific radiosensitiveness of lymphocytes—its significance in, A. U. Desjardins (abstract), 412.
- Radium, action of, on certain micro-organisms, Experimental investigations of, G. Galli and A. Foà (abstract), 407.
- Radium, amount in U. S., 462.
- Radium and roentgen injuries, Promising ways to cure of hopeless, K. Graninger (abstract), 941.
- Radium and roentgen therapy in advanced cancer, with various combinations of wave lengths, Clinical evaluation of, B. P. Widmann and J. L. Weatherwax (abstract), 585.
- Radium and roentgen treatment, Nitrogen excretion in urine following, G. K. F. Schultze (abstract), 420.
- Radium and roentgen treatment, Systemic changes in patients with carcinoma of uterus, following, E. O. Gaessler (abstract), 89.
- Radium and surgery in cancer of tongue, D. Quick (abstract), 592.
- Radium application limited to fundus uteri, G. Kaboth (abstract), 408.
- Radium, Detection, estimation and elimination of, in living persons given radium chloride internally (II), H. H. Barker and H. Schlundt (abstract), 807.
- Radium emanation plant, New model, A. J. Allen (abstract), 571.
- [Radium] Gamma rays, Radiography by use of, R. F. Mehl, G. E. Doan, and C. S. Barrett, 508.
- Radium, gamma rays of, Comparison of biologic effect of roentgen rays and, R. Braun (abstract), 411.
- [Radium] Gamma rays, pure, Radiation therapy in cancer of mouth, with especial reference to use of, G. E. Pfahler and J. H. Vastine (abstract), 988.
- [Radium] Gamma rays, radiography by, Technic of, C. S. Barrett, R. A. Gezelius, and R. F. Mehl, 461.
- Radium, graded doses of, Biological investigations concerning effect of, on skin, A. Reisner (abstract), 406.
- Radium, Immunological and biochemical researches on biological action of X-radiation and, L. Cappelli (abstract), 806.
- Radium in gynecology, S. Forsdike (abstract), 799.
- Radium in superficial face lesions, W. A. Chernosky (abstract), 810.
- Radium in treatment of diseases of thyroid gland, Value and place of, S. Ginsburg (abstract), 1028.
- Radium in treatment of menorrhagia and irregular uterine hemorrhage, M. Donaldson (abstract), 408.
- Radium, in uterine diseases, and its use, W. E. Gary (abstract), 808.
- Radium irradiation, Biological effects of, R. G. Canti (abstract), 407.
- Radium surgery, Present status of, H.-G. Zwerg (abstract), 808.
- Radium therapy for cervical carcinoma, Pregnancy after: Cesarean hysterectomy at eighth month, G. B. Contardo (abstract), 1009.
- Radium therapy in advanced cases of cutaneous carcinomata, Efficacy of, F. Perussia (abstract), 407.
- Radium therapy in cancer of the nose, larynx, and esophagus, H. M. Moran (abstract), 808.
- Radium therapy of bleeding nipple, Contribution to, F. F. Dautwitz (abstract), 810.
- Radium therapy, Relative value of roentgen and, R. H. Crockett (abstract), 812.
- Radium therapy, Treatment of intra-oral cancer, with special reference to, D. Quick (abstract), 591.
- Radium treatment, Cosmetic results of electrocoagulation, especially of carcinoma of skin, A. Buschke and L. Loewenstein (abstract), 807.
- Radium treatment of buccal carcinoma, Principles of and some results in, G. E. Birkett (abstract), 590.
- Radium treatment of early epithelioma of lip, H. Hailey (abstract), 807.
- Radium treatment of cancer of tongue (symposium), Stanford Cade (abstract), 587.
- Radium treatment of cancer of tongue, S. Cade (abstract), 591.
- Radium treatment of primary carcinoma of breast, G. Keynes (abstract), 1015.

- Radium treatment of warts, 341 *et seq.*
 Radium, Treatment without and with: Post-operative parotiditis, F. W. Rankin and B. M. Palmer (abstract), 806.
 Radium, use of, Gynecological notes, with special reference to, K. Wilson (abstract), 807.
 Radium, uterine carcinomata treated with, Bacterial flora in, A. M. Bonanno (abstract), 407.
 Radiumhemmet, Stockholm, Sweden, 833, 932, 1021.
 Radiumhemmet in Stockholm, Results of treatment in: Comparison of results with those of other institutes, F. Melchart (abstract), 1020.
 Radius, giant-cell tumor of lower right, Case of recurrent, J. Shelton Horsley, 756.
 Radius, head and neck of, fractures of, Treatment of, J. A. Key (abstract), 982.
 Radius, lower, Bone lesions of, Robert Lee Oliver, 245.
 Raeth (Räth) (cited by W. F. Braasch), 108.
 Raiford, Theodore S., Tumors of small intestine: diagnosis, with special reference to X-ray appearance, 253.
 Rajewsky, Boris, 2, 571, 704.
 Raman (cited by K. Banerjee), 594.
 Ramanathan (cited by K. Banerjee), 594.
 Rammstedt (cited by R. R. MacGregor), 999.
 Rand, Carl W., 424.
 Ranke (cited by K. Fischel), 1030.
 Rankin, Fred W., 806, 998.
 Raper (cited by S. Parenti), 993.
 Rask-Nielsen, H. C., 564, 565.
 Räth, 794.
 Ratkóczi, Nándor, 102.
 Ratschow, Max, 609.
 Ratti, Arduino, 414, 422.
 Raul, P., 928.
 Ravdin, I. S., 507.
 Rave, Franz, 52, 57.
 Ray, B. B., 595.
 Razemon, P., 480, 482.
 Read, J. Sturdivant, 107.
 Reboul (cited by W. W. Belden), 924.
 Rechou, —, 960.
 von Recklinghausen, Friedrich D., 83, 180, 657, 986.
 von Recklinghausen's disease, 176-178.
 Rectum, cancer of, Factors influencing treatment of, G. E. Binkley (abstract), 588.
 Rectum, carcinoma of, Skeletal metastases from: report of eight cases, A. H. Aufses (abstract), 986.
 Redecker (cited by H. Steininger), 823.
 Reerink, E. H., 547.
 Regaud, Cl., 85, 299, 300, 437, 443, 535, 591, 832, 887, 890, 960, 988.
 Regelsberger, H., 95, 399, 405.
 Reiche, F., 164, 179.
 Reichel, Paul, 270.
 Reimann, Stanley P., 660, 663.
 Reinecke, Harold G., 990.
 Reinhard, Melvin C., 575.
 Reisner, Alfred, 12, 315, 406, 420, 611.
 Remer, John, 394.
 Renal bleeding, unilateral, Unusual case of, E. Smith (abstract), 1006.
 Renal calculi, diagnosis and treatment of, Observations on, G. S. Foulds (abstract), 1003.
 Renal calculi in children, Bone suppuration and, M. C. Borman (abstract), 793.
 Renal carbuncle, T. D. Moore (abstract), 1005.
 Renal cysts, Solitary serous, with study of roentgen observations, R. Herbst and W. J. Vynalek (abstract), 1008.
 Renal denervation, Studies in. I.—Roentgenographic demonstration of vascular alteration, G. Milles, E. F. Müller, and W. F. Petersen (abstract), 1004.
 Renal lithiasis, Value of uroselectan in, W. F. Braasch (abstract), 1004.
 Renal rotation and associated anomalies, Anomalous, W. F. Braasch (abstract), 795.
 Renal tuberculosis, Intravenous urography in diagnosis of: Case report, T. Sweetser (abstract), 1006.
 Respiratory system, diseases of, Use of ultra-violet light (Osram-Vitalux-Lamp) in, A. Moeller (abstract), 834.
 Respiratory tract, upper, Roentgenology of, H. K. Pancoast (abstract), 600.
 Reyn, Axel, 738, 743.
 Reynolds, Charles R., 391.
 Reynolds (cited by J. D. Garvin), 825.
 Rheumatism or arthritis, chronic, Orthopedic aspects of, R. B. Osgood (abstract), 975.
 Rhinology, Roentgen therapy in, 419.
 Rhyne, S. A., 928.
 Ricca, Silvio, 928.
 Rice, E. Clarence, 179.
 Rich, Edward A., 928.
 Richards, G. E., 51.
 Richardson, O. W., 76.
 Richmond, D. S., 335, 338.
 Richtmyer, F. K., 304, 306, 308, 314.
 Rickets, 166, 168.
 Rickets, fetal, Osteomalacia and, J. P. Maxwell (abstract), 410.
 Rickets, Healing of late, coincident with low serum phosphate, G. Stearns and J. D. Boyd (abstract), 1016.
 Rickets, phosphorus in, Effect of: I.—Roentgenologic changes in rickets following administration of phosphorus, E. L. Compere (abstract), 1016.
 [Rickets] Rachitic children, Chest in: roentgenologic study, R. S. Bromer (abstract), 989.
 Riddle, Penn, 582.
 Rideal, E. K., 327.
 "Riders' bone," 144, 193.
 Riebel, Frank A., joint-author, 380.
 Riebel, J. A., and Riebel, Frank A., Fatal result from use of uroselectan, 380.
 Riedel (cited by A. Steindler), 983.
 Rieder, H., 329, 333.
 von Ries (cited by E. Conte), 837.
 Riggs, Charles E., 391.
 Rigler, Leo G., 73, 604, 998.
 Ringworm of hands and feet, W. A. Osborne (abstract), 420.
 Rioux, G., 928.
 Rischin, M., 331, 333.
 Rishmiller, John H., 928.
 Rist, E., 26, 28.
 Ritchie (cited by F. D. Ackman), 103.
 Ritchie, Gorton, joint-author, 445, 945.
 Ritvo, M., 253, 270.
 Ritzman (cited by Harvey Smith), 695.
 Riven, Samuel S., 1010.
 Robertson, J. D., 938, 940.
 Robertson, J. K., 704.
 Robertson, William E., 480, 482.
 Robineau (cited by W. W. Belden), 928.
 Robinson, H. R., 779.
 Robinson (cited), 595, 1029.
 Rocher, H. L., 928.
 Rochetaux, J., 928.
 Roederer, Carle, 927.
 Roentgen amenorrhea, temporary, Clinic of, C. J. Gauss (abstract), 110.
 Roentgen and radium injuries, Promising ways to

- cure of hopeless, K. Graninger (abstract), 941.
- Roentgen and radium therapy in advanced cancer, with various combinations of wave lengths, Clinical evaluation of, B. P. Widmann and J. L. Weatherwax (abstract), 585.
- Roentgen and radium therapy, Relative value, R. H. Crockett (abstract), 812.
- Roentgen and radium treatment, Nitrogen excretion in urine following, G. K. F. Schultze (abstract), 420.
- Roentgen and radium treatment, Systemic changes in patients with carcinoma of uterus, following, E. O. Gaessler (abstract), 89.
- Roentgen and ultra-violet rays, Action of, on reticulohistiocytic system of skin, P. G. Castellino (abstract), 817.
- Roentgen appearance of chest in new-born infant, J. T. Farrell, Jr. (abstract), 94.
- Roentgen aspects: Hypertrophic pyloric stenosis in adults, V. W. Archer (abstract), 99.
- Roentgen deep therapy, Simple field selector in, G. H. Schneider (abstract), 811.
- Roentgen diagnosis and treatment of enlargement of thymus, E. P. Pendergrass (abstract), 821.
- Roentgen diagnosis in obstetrics, Results and value of, K. Heim (abstract), 1009.
- Roentgen diagnosis of ascariasis, V. W. Archer and C. H. Peterson (abstract), 623.
- Roentgen diagnosis of chronic appendicitis, H. J. Walton and S. Weinstein (abstract), 572.
- Roentgen diagnosis of gastric syphilis, L. T. LeWald (abstract), 788.
- Roentgen diagnosis of inflammatory lesions of colon and their differentiation from carcinomas, H. Pansdorf (abstract), 100.
- Roentgen diagnosis of pulmonary tuberculosis, Early, L. J. Menville (abstract), 825.
- Roentgen diagnosis of pulmonary tuberculosis in infants and children, R. G. Karshner (abstract), 433.
- Roentgen diagnosis of rickets, R. S. Bromer (abstract), 409.
- Roentgen diagnosis of synovial adhesions (abstract), 608.
- Roentgen dosage in practice, T. C. Neeff (abstract), 785.
- Roentgen dosage in skin disease, Need of more conservative, W. F. Spiller (abstract), 817.
- Roentgen dose unit, Reproductivity of, H. Behnken and R. Jaeger (abstract), 611.
- Roentgen examination of female urethra, specially in cases of prolapse and incontinence, E. Thomson (abstract), 798.
- Roentgen injuries, Experimental, of heart muscle, A. Werthemann (abstract), 994.
- Roentgen therapy, Evaluation of modern, R. E. Loucks and B. R. Dickson (abstract), 1021.
- Roentgen evidence of adhesions of small intestine, H. W. Soper and J. W. Thompson (abstract), 102.
- Roentgen examination in diseases of trachea, Max Sgalitzer (abstract), 428.
- Roentgen examination in technical fields, Kantner and A. Herr (abstract), 58.
- Roentgen examination of paranasal sinuses and mastoids, A. Granger (abstract), 814.
- Roentgen examination of sacro-iliac joint, Symphyphysis pubis in, W. E. Chamberlain (abstract), 575.
- Roentgen examination of stomach and small bowel, Appraisal of motor-test-meal in, A. B. Moore (abstract), 97.
- Roentgen exposure, Changes in lungs following, M. Lüdin and A. Werthemann (abstract), 990.
- Roentgen irradiation, Hodgkin's disease, with special reference to diagnostic difficulties and results following: Report of case, G. A. Sherman (abstract), 1012.
- Roentgen irradiation with old treatment technic and ray-proof Metalix tubes, Comparative studies of blood injuries following, W. Fürst (abstract), 575.
- Roentgen observations, Solitary serous renal cysts with study of, R. Herbst and W. J. Vynalek (abstract), 1008.
- Roentgen radiation (200 K.V.), Effect of high voltage, upon fertility and motility of sperm of rabbit, S. A. Asdell and S. L. Warren (abstract), 814.
- Roentgen rays and gamma rays of radium, biologic effect of, Comparison of, R. Braun (abstract), 411.
- Roentgen rays, biologic effect of: increase of roentgen-ray effect by secondary radiation (fourth communication), P. Ellinger and E. Gruhn (abstract), 410.
- Roentgen rays, Biologic unit in dosage of, E. Björling (abstract), 784.
- Roentgen rays, Blood sugar regulation under influence of, A. Held (abstract), 411.
- Roentgen rays, boils and carbuncles, Treatment of, by, E. T. Leddy and S. A. Morton (abstract), 411.
- Roentgen rays, Color changes produced by, in some aqueous solutions: considered for dosage measurements and for detection of effects of radiation on other chemical compounds, W. Stenstrom and A. Lohmann, 322.
- Roentgen ray, diagnostic value of, in peptic ulcer before and after treatment, E. S. Emery, Jr., and R. T. Monroe (abstract), 787.
- Roentgen-ray diagnosis of urologic conditions, H. K. Wade and H. C. Chenault (abstract), 793.
- Roentgen rays, endometriosis rectovaginalis treated successfully by, Case of, J. Heyman (abstract), 416.
- [Roentgen ray] Fractional dose method with varying intervals, Studies of changes of skin tolerance using, A. Reisner (abstract), 420.
- Roentgen rays, Giant-cell tumors: four cases successfully treated by, L. T. LeWald (abstract), 84.
- Roentgen rays, graded doses of, Effect of, on mitosis in *Vicia faba equina*, O. Jüngling and H. Langendorff (abstract), 610.
- Roentgen ray in obstetric diagnosis, as an adjunct, H. B. Matthews (abstract), 799.
- Roentgen rays, injuries due to, late, Animal experimental foundations of problem of, L. Nürnberger (abstract), 405.
- Roentgen-ray intensity, Question of distribution of, in human body in deep therapy. I.—Critical review of problem and its principles, M. Dorneich (abstract), 811.
- Roentgen rays on bone marrow, Experimental studies concerning effect of (II), A. Casati (abstract), 994.
- Roentgen rays on eye, Effect of, W. Rohrschneider (abstract), 813.
- Roentgen rays on healing of wounds, Influence of, S. Fukase (abstract), 840.
- Roentgen rays on healing of wounds, Studies of effect of, I. Behavior of skin wounds in rats under pre- or post-operative irradiation, E. A. Pohle, Gorton Ritchie, and C. S. Wright, 445.
- Roentgen rays, sensitizing effect of hematoporphyrins to, N. A. Podkaminsky (abstract), 413.
- Roentgen rays, similar effect of ultra-violet and of, Case of, K. Brummer (abstract), 835.

- Roentgen rays, soft, Application of and indications for, A. Böhm (abstract), 1021.
- Roentgen rays, Sterilization of women by, G. Fritsch (abstract), 799.
- [Roentgen ray] Superficial therapy apparatus with constant output, W. H. Boldingh (abstract), 571.
- Roentgen rays, Testicular seminomas and their treatment by means of, J. B. Porchovnik and G. N. Treister (abstract), 415.
- Roentgen-ray therapy, deep, of mammary carcinoma. II.—Five-year results: Value of the method as an auxiliary to surgical procedures in the operable and as a primary procedure in the inoperable cases, W. A. Evans and T. Leucutia (abstract), 812.
- Roentgen-ray therapy, Spinal, in dermatitis herpetiformis, H. R. Foerster (abstract), 410.
- Roentgen rays, Treatment of diseases of tonsils with, J. Grünthal (abstract), 1020.
- Roentgen-ray tubes, with complete high tension protection up to 200 K.V., A. Bouwers (abstract), 571.
- Roentgen rays, Xanthomatosis (Schüller's disease; Christian's syndrome): report of three cases treated with, M. C. Sosman (abstract), 414.
- Roentgen sickness, Relation between cholesterol metabolism and, R. Hummel (abstract), 806.
- Roentgen stereoscopy of kidney, Demonstration of kidneys with abrodil and some remarks about, W. Teschendorf (abstract), 792.
- Roentgen symptoms of post-appendicitis abscesses, R. Pohl (abstract), 573.
- Roentgen therapy, deep, of tuberculosis of lungs, Present status and importance of, H. Schultegigges (abstract), 826.
- Roentgen therapy, gynecological, Development of, during past ten years in Second University Clinic for Women at Budapest, F. Gál (abstract), 400.
- Roentgen therapy in dermatology, IX (Principles of roentgenotherapy), E. A. Pohle (abstract), 419.
- Roentgen therapy in gynecology, VIII (Principles of roentgenotherapy), E. A. Pohle (abstract), 418.
- Roentgen therapy in pediatrics, ophthalmology, otology, rhinology, laryngology, neurology, and psychiatry, X (Principles of roentgenotherapy), E. A. Pohle (abstract), 419.
- Roentgen therapy of spine in skin diseases, A. Krynski (abstract), 811.
- Roentgen therapy in tuberculosis of adnexa, Further experience with, H. Eymer (abstract), 417.
- Roentgen therapy of agranulocytosis, F. Burgheim (abstract), 417.
- Roentgen therapy of subacute and chronic pelvic inflammatory diseases, L. Seitz (abstract), 416.
- Roentgen therapy of tabes, C. Kremser (abstract), 814.
- [Roentgen therapy] Principles of "long weak" treatment method, G. Schwarz (abstract), 413.
- Roentgen therapy, Uterine sarcoma and, A. Bécélère (abstract), 417.
- Roentgen treatment of brain tumor, Further experience with, K. Bachmund (abstract), 414.
- Roentgen treatment of Coutard, Our experience with protracted fractional, A. Kahlstorf and A. Zupfinger (abstract), 812.
- Roentgen treatment of hyperthyroidism, W. Clarkson (abstract), 813.
- Roentgen treatment of lymphogranulomatosis, H. U. Billich (abstract), 416.
- Roentgen treatment of metastasis to vertebrae and bones of pelvis from carcinoma of breast, E. T. Leddy (abstract), 811.
- Roentgen treatment of para-urethral infiltrates, Contribution to, S. Grauer (abstract), 418.
- Roentgen treatment of toxic goiter, E. Hayer and W. Hufschmid (abstract), 431.
- Roentgen treatment of tuberculosis of male genital organs, Contribution to, J. Grünthal (abstract), 1017.
- Roentgen treatment, Studies of skin tolerance with protracted, A. Kahlstorf (abstract), 1017.
- Roentgenogram of spondylitis typhosa, J. Arendt (abstract), 821.
- Roentgenograms, sinus, Interpretation of, G. W. Grier (abstract), 815.
- Roentgenographic contrast diagnosis in obstetrics and gynecology, Newer methods of, J. Jarcho (abstract), 801.
- Roentgenographic demonstration of vascular alteration (I). Studies in renal denervation, G. Milles, E. F. Muller, and W. F. Petersen (abstract), 1004.
- Roentgenographic studies in normal osseous development, E. K. Shelton (abstract), 979.
- Roentgenographic study of renal vessels, New technique for, G. Milles, E. F. Müller, and W. F. Petersen (abstract), 1002.
- Roentgenographic visualization of body cavities, Campidol (iodized rapeseed oil): use in, M. A. Glaser (abstract), 992.
- Roentgenography, Minimum requirements for, H. J. Ullmann (abstract), 1019.
- Roentgenography of abdominal viscera, Year's progress in (abstract), 972.
- Roentgenologic appearance of diverticula of duodenum and of structures resembling such diverticuloids, R. Sander (abstract), 102.
- Roentgenologic appearance of lobular pneumonia (bronchopneumonia), N. W. Potte (abstract), 94.
- Roentgenologic appearance of subphrenic abscess on post-appendiceal basis, O. Meller (abstract), 620.
- Roentgenologic appearance of thrombosis of left auricular appendage, J. Arendt (abstract), 403.
- Roentgenologic changes in rickets following administration of phosphorus (I.): Effect of phosphorus in rickets, E. L. Compere (abstract), 1016.
- Roentgenologic changes in sarcoid and related lesions, B. R. Kirklin and S. A. Morton, 328.
- Roentgenologic demonstration of gastric myoma, H. Gebhardt (abstract), 617.
- Roentgenologic demonstration of kidneys and urinary passages by intravenous injection of uroselectan, Concerning, K. Hutter and M. Sgalitzer (abstract), 106.
- Roentgenologic demonstration of mucosa by means of umbrathor: contribution to roentgenologic diagnosis of ulcerative colitis, H. Regelsberger (abstract), 95.
- Roentgenologic demonstration of spleen and liver, Clinical use of "lienography," new method for, M. Oka (abstract), 95.
- Roentgenologic demonstration of urinary tract, Technic of, J. Becker (abstract), 1003.
- Roentgenologic diagnosis in tuberculosis of kidney, B. H. Nichols (abstract), 794.
- Roentgenologic diagnosis of bone tumors, C. F. Geschickter, 111-180.
- Roentgenologic diagnosis of chronic obstruction of small intestines, Contribution to, G. Lemmel (abstract), 623.
- Roentgenologic diagnosis of coarctation of aorta (adult type), W. W. Fray (abstract), 403.

- Roentgenologic diagnosis of tuberculosis of supra-
renals, R. Schatzki (abstract), 825.
- Roentgenologic diagnosis of ulcerative colitis, Con-
tribution to, H. J. Teschendorf (abstract), 622.
- Roentgenologic examination in pulmonary tubercu-
losis, Value of, H. L. Sampson and L. Brown
(abstract), 1030.
- Roentgenologic examination, Lobus venæ azygos:
visibility on, and significance for clinician, G.
Velde (abstract), 93.
- Roentgenologic examination, Lower esophagus and
upper portions of stomach as seen by, J. Palug-
yay (abstract), 996.
- Roentgenologic examination of colon, H. H. Berg
(abstract), 999.
- Roentgenologic findings in a series of seventy-two
cases of traumatic myelitis due to fracture of
spine, E. S. Gurdjian (abstract), 819.
- Roentgenologic observations of appendix, W.
Knothe (abstract), 572.
- Roentgenologic pressure signs, Intracranial pres-
sure: correlation of choked disc and, F. Schrei-
ber (abstract), 424.
- Roentgenologic significance, Intracranial calcifica-
tion and its, J. D. Camp (abstract), 422.
- Roentgenologic study of breast, S. L. Warren, 696.
- Roentgenologic studies of urinary tract with con-
trast agents administered intravenously: Diag-
nosis in urology, R. E. Cumming (abstract),
1007.
- Roentgenological appearance of interlobar and medi-
astinal encapsulated effusion in thorax, Eugene
Freedman, 14-29.
- Roentgenological aspect of various types of colonic
diverticula, W. O. Upson and A. E. MacGregor,
30-37.
- Roentgenological control of exposed kidneys in op-
erations for nephrolithiasis, with use of special
intensifying cassette, E. Beer (abstract), 1007.
- Roentgenological diagnosis of diaphragmatic hernia,
Progress in, A. B. Moore and B. R. Kirklin
(abstract), 609.
- Roentgenological differentiation of benign and mal-
ignant diseases of bones, R. Kienböck (ab-
stract), 577.
- Roentgenological standpoint, Pathological thymus in
children from a, W. H. Gilmore (abstract),
1027.
- Roentgenological study of superior and posterior
mediastinum, S. Brown and H. G. Reinecke
(abstract), 990.
- Roentgenology and internship (editorial), Irvin D.
Metzger, 68-70.
- Roentgenology, Elimination of dark room in photog-
raphy, especially as applied to, H. Flecker, 381.
- Roentgenology of appendix, J. W. Larimore (ab-
stract), 974.
- Roentgenology of thymus in infancy and differen-
tial diagnoses of enlarged thymus and its treat-
ment, H. K. Pancoast (abstract), 821.
- Roentgenology of upper respiratory tract, H. K.
Pancoast (abstract), 600.
- Roentgenotherapy in carcinomatous metastasis of
bone, Value of, A. Ratti (abstract), 414.
- Roentgenotherapy of bronchial asthma, G. M. Sack
(abstract), 414.
- Roentgenotherapy of surgical tuberculous diseases,
Results of, J. Palugay (abstract), 1022.
- Rohrhirsch, Otto, 1026.
- Rohrschneider, W., 813.
- Rokitansky (cited by W. W. Belden), 916.
- Rollet (cited by W. W. Belden), 927.
- Rollier, Auguste, 741, 743, 826, 1015.
- Rolnick, H. C., 933, 935.
- Romanoff, A., 1010.
- Roosen (cited by H. Hirsch), 415.
- Roosen-Bernhardt (cited by H. Cramer), 412.
- Rorem, C. Rufus, 388.
- Rosbaud, P., 779.
- Rose, Cassie B., X-ray treatment of bone metasta-
sis, 536.
- Rosenthal, transglottic method of, for injection of
iodized oil, 95.
- Rother, Franz, 780.
- Rothmann, Hans, 822.
- de Rothschild, H., 960.
- Rothstein, Karl, 327.
- Rotolo, Giuseppe, 576.
- Rottenstein, G., 928.
- Rottmann, H. G., 704.
- Roudil, G., 928.
- Rubascheva, Anastasia, 97.
- Rubin, Eli H., 434.
- Ruckenstein, E., 967.
- de Rudder, Bernhard, 941.
- Rudisill, Hillyer, Jr., 786, 815, 942, 989.
- Rudisill, Hillyer, Jr., X-ray visualization of calcified
gallstone in child seven years old: case report,
942. See other references.
- Rudolph, Louis, 335, 338.
- Ruete (cited by F. C. Wood and G. M. MacKee),
704.
- Rugh, J. Torrance, 928.
- Ruggles, Howard E., 59.
- Rumford, S. C., 75.
- Rump, W., 310.
- Rush Medical College, Chicago, Surgical Depart-
ment, 972.
- Russell, Albert E., 605.
- Russell, A. S., 468, 471.
- Russell, W. Kerr, 836.
- Rutherford, E., 467, 508, 525.
- Ryerson, E. W., 209, 210.
- Sabouraud-Noiré tablet, dosimetry with, Contribu-
tion to, K. Hoede (abstract), 611.
- Sabouraud, R., 90, 322, 327.
- Sachs, G., 781, 783.
- Sack, G. M., 414.
- Sacro-iliac joint, roentgen examination of, Symphy-
sis pubis in, W. E. Chamberlain (abstract), 575.
- Sagel, Jacob, 564, 604.
- Saidman, Jean, 704.
- "Sailor's skin," 436.
- Saint, James H., 270.
- Sainton, Paul, 928.
- Saito, Makoto, 608.
- Salinger, H., 682.
- Salotti, Adelchi, 86.
- Salpingography, hydrops tubæ profluens by, Diag-
nosis and therapy of case of, O. Polano (ab-
stract), 400.
- Sampson, Homer L., 1030.
- Sampson (cited by C. E. Weaver), 64.
- Sandera, Robert, 102.
- Sandstrom (cited by J. de J. Pemberton and K. B.
Geddie), 431.
- Sanford, Heyworth N., 739, 743.
- Sansum (cited by M. J. Geyman), 483.
- Sante, L. R., 28.
- Santoro, Mario, 819.
- Sarazin, A. C. L., 928.
- Sarcoid and related lesions, Roentgenologic changes
in, B. R. Kirklin and S. A. Archibald, 328.
- Sarcoma, 183, 214, 251; chondroblastic, 135, 137,
138; Ewing's, 123-129, 150, 183-185, 197, 229,
233, 234, 240-244, 251, 252, 556, 627-656; osteo-
genic, 118-124, 131-137, 141, 143; sclerosing, 251.

- Sarcoma, Ewing's, Endothelial myeloma or, W. B. Coley, 627.
- Sarcoma, Ewing's, Report of patient with, E. E. Larson, 556.
- Sarcoma, giant-cell, of vertebrae, Management of: report of case with cure after five years, J. O. Bower, J. H. Clark, and L. Davis (abstract), 833.
- Sarcoma of gall bladder, Primary, A. Brunschwig (abstract), 995.
- Sarcoma of skin and fascia, Relation between histologic structure and prognosis in, L. C. Pusch, 660.
- Sarcoma of stomach: Report of four cases and review of literature, R. D'Aunoy and A. Zoeller (abstract), 830.
- Sarcoma of uterus treated by irradiation, Few cases of, C. Regaud and A. Lacassagne (abstract), 832.
- Sarcoma of vertebra, Primary, O. Rohrhirsch (abstract), 1026.
- Sarcoma, osteogenic, Report of two cases, possibly traumatic in origin, Byron H. Jackson, 766.
- Sarcoma, radiotherapy in, Indications for, A. Lacassagne (abstract), 985.
- Sarcoma, Uterine, and roentgen therapy, A. Bécélère (abstract), 417.
- Sargent, James C., 933, 935.
- Saskatchewan Public Health Department, 47, 49.
- Satta, F., 928.
- Saturation method, 420, 967, 988.
- Saturation method? Maximum dose, fractional treatment, or (studies on mice with carcinoma), J. Juul (abstract), 784.
- Saturation method of Pfahler and Kingery (III): Present methods of radiation treatment of carcinoma and results, H. Holfelder (abstract), 589.
- Sauter (cited), 868.
- Saville (cited by A. Müller), 596.
- Savy, Paul, 25, 28.
- Sawyer, Ralph A., 736, 743.
- Schaedel, Wilhelm, 58.
- Schaefer, H. E., 50, 845.
- Schaefer, W., 973.
- Schaefer (cited by E. Zweifel), 585.
- Schall, L., 600.
- Schall (cited by A. Reisner), 420.
- Schapiro, Herman, 116.
- Schatzki, R., 825.
- Schauffler, Robert McE., 820.
- Schauffler, W. G., 627.
- Schaumann, Jörgen, 328, 333.
- Schechter, Samuel, 101.
- Scheidel, William, 964.
- Scheigert, F. W., 75.
- Schenck (cited by U. Hofmann and E. Groll), 598.
- Scherb, R., 928.
- Schereschewsky, J. W., 707, 708, 709, 718.
- Schiessel, Max, 928.
- Schiff (cited by M. A. Blankenhorn), 805.
- Schinz, Emmy, 928.
- Schinz, H. R., 331, 333.
- Schipporeit, G., 928.
- Schlecht, H., 1029.
- Schlechtmann, J., 3.
- Schliephake, Erwin, 973.
- Schlieppe (cited by J. S. Coulter and E. M. Smith, Jr.), 739.
- Schlitz (cited by R. H. Jamieson and F. Hernaman-Johnson), 810.
- Schlundt, Herman, 807.
- Schmid, E., 593.
- Schmidt-Labaume, F., 421.
- Schmitz, Franz, 788.
- Schmitz, Henry, 376, 379, 459.
- Schmorl (cited), 426, 1025.
- Schneider, Chester C., 820.
- Schneider, Georg Heinrich, 811.
- Scholtz, Moses, 421.
- Scholtz (cited by F. C. Wood and G. M. MacKee), 704.
- Schönfeld (cited by L. Schall and F. Hoffmann), 600.
- Schons, Edward, 73.
- Schreiber, Frederic, 424.
- Schreus, H., 571, 704.
- Schroeder, William E., 82.
- Schrotter (cited by R. T. Shackelford), 1011.
- Schueller, J., 792.
- Schüller, M. P., 928.
- Schüller's disease; Christian's syndrome (Xanthomatosis): report of three cases treated with roentgen rays, M. C. Sosman (abstract), 414.
- Schulte-Tigges, H., 826.
- Schultz, Frank, 704.
- Schultze, Günter K. F., 420.
- Schultze, Walter, 994.
- Schulz, Alfred, 928.
- Schulze, M. H., 404.
- Schürch, O., 457, 459.
- Schwarz, G., 413.
- Schwarzschild, M. M., Theory of X-ray quality measurement, 856.
- Schweidler (cited by C. S. Barrett, R. A. Gezelius, and R. F. Mehl), 463, 467; (by R. F. Mehl, G. E. Doan, and C. S. Barrett), 512, 517.
- Sciaky, Enrico, 928.
- Scougall, S. H., 928.
- Screens, intensifying, in relation to quality of radiations in radiologic technic, Effect of, V. Podestà (abstract), 571.
- Scudder (cited by J. R. Moore), 233.
- Scurvy, 163, 165.
- Sear, H. R., 1009.
- Seasonal diseases, Problem of, B. de Rudder (abstract), 941.
- Seemann, H., 780.
- Seidler, Ferdinand, 980.
- Seitz, L., 416, 585.
- Seitz (cited by F. Melchart), 1021.
- Selinger, Maurice A., 179.
- Seminomas, Testicular, and their treatment by means of roentgen rays, J. B. Porchovnik and G. N. Treister (abstract), 415.
- Semken, George H., 689, 693.
- Senger, Fedor L., 107.
- Sereghy, Michael, 928.
- Sergeant, E., 29.
- Sewall (cited by L. E. Patrick), 815.
- Sexton (cited by H. C. Bumpus, Jr.), 790.
- Sezai (cited by W. W. Belden), 928.
- Sgalitzer, Max, 77, 106, 428.
- Shackelford, Richard T., 1011.
- Shangle, Milton A., 480, 482.
- Shannon, E. H., 429.
- Shapiro, M. J., 564.
- Sharp, George S., 581.
- Shaw, W. McL., 485.
- Shearer (cited by R. D. Spangler), 360.
- Sheehan, William C., 646.
- Sheldon, Francis B., joint-author, 952.
- Sheldon, Francis B., 83, 90, 91, 106, 413, 421, 433, 616, 787, 795, 831, 952, 978, 985, 1019.
- Shelmire (cited by I. M. Martin), 887.
- Shelton, E. Kost, 979.
- Shepley, E. E., 563.
- Sherman, George A., 1012.
- Sherwell method, 442.

- Shore, Benjamin Rice, 480, 482, 614.
 Shore, L. R., 928.
 Sicard (cited by W. W. Belden), 928.
 Siciliano, L., 395.
 Sidlick, D. M., 328, 330, 332.
 Sighinolfi, Giuseppe, 103.
 Sigmoidoscopy *versus* X-rays in diagnosis of terminal bowel disease, F. C. Yeomans (abstract), 622.
 Silbar, Sidney J., 793.
 Silicosis, T. H. Belt (abstract), 604.
 Silver, David, 179.
 Silvero, J. E. Lopez, 773.
 Simmons, Channing C., 244, 881, 890.
 Simon, H. E., 133, 179.
 Simonds, J. P., 719.
 Simons, Alb., 457, 459.
 Simpson, Frank E., 891.
 Simpson (cited by S. Forsdike), 800.
 Simson, J., 975.
 Singer, G., 6, 10-12, 309, 321, 894.
 Singer, Siegmund, 29.
 Sinus conditions, nasal, Use of iodized oil in diagnosis of: Further observations, H. M. Good-year (abstract), 1023.
 Sinus disease, chronic, Management of, W. V. Mullin (abstract), 1023.
 Sinus disease, Relation of, to pulmonary infection, from standpoint of roentgenologist, W. F. Manges (abstract), 1022.
 Sinuses, nasal accessory, roentgenography of, Head clamps for fenestrated shield for, Mrs. J. D. Blocher, 554.
 Sinus, Osteoma of frontal, R. O. Leavenworth (abstract), 815.
 Sinuses, paranasal, Roentgen examination of, and mastoids, A. Granger (abstract), 814.
 Sinus roentgenograms, Interpretation of, G. W. Grier (abstract), 815.
 Siperstein, David M., 1000.
 Sippy (cited by R. C. Brown), 625, 626.
 Sise, L. F., 495, 502, 507.
 Sistrunk, W. E., 881, 890.
 Skála-Rosenbaum, Jan, 928.
 Skemp, A. A., 944.
 Skin, Action of roentgen and ultra-violet rays on reticulohistiocytic system of, P. G. Castellino (abstract), 817.
 Skin and fascia, sarcoma of, Relation between histologic structure and prognosis in, L. C. Pusch, 660.
 Skin, basal-cell epithelioma of, Electrodesiccation *versus* radiotherapy in treatment of, G. Archambault and A. Marin (abstract), 422.
 Skin, Biological investigations concerning effect of graded doses of radium on, A. Reisner (abstract), 406.
 Skin, carcinoma of, Cosmetic results of electrocoagulation and radium treatment, especially of, A. Buschke and L. Loewenstein (abstract), 807.
 Skin diseases about eyes, R. Fields (abstract), 420.
 Skin disease, Need of more conservative roentgen dosage in, W. F. Spiller (abstract), 817.
 Skin diseases, Roentgen therapy of spine in, A. Krynski (abstract), 811.
 Skin, Grenz rays upon, Effect of, K. Herxheimer and E. Uhlmann (abstract), 797.
 Skin, human, Polarization measurements on: contribution to Basedow's disease and its radiotherapeutic estimation, H. Regelsberger (abstract), 399.
 Skin, lip, and tongue, Cancer of: Ministry of Health report, J. Lane-Clayton (abstract), 987.
 Skin malignancy: comments on therapy, R. H. Stevens, 435.
 Skin, pigmentation in, Influence of air pressure on formation of erythema and, F. Schmidt-Laubaume and E. Uhlmann (abstract), 421.
 Skin, radiation injuries to, Possibility of preventing, E. Uhlmann (abstract), 422.
 Skin, Temperature measurements in, and relation to degree of cooling, W. Schultze (abstract), 994.
 Skin tolerance, Studies of, with protracted roentgen treatment, A. Kahlstorf (abstract), 1017.
 Skin tolerance using fractional dose method with varying intervals, changes of, Studies of, A. Reisner (abstract), 420.
 Skin wounds in rats under pre- and post-operative irradiation, Behavior of (Studies of effect of roentgen rays on healing of wounds), E. A. Pohle, Gordon Ritchie, and C. S. Wright, 445.
 Skinner, E. H., 928.
 Sklarz, Ernst, 703.
 Skobelzyn, D., 509, 512, 513.
 Skoda (cited by R. T. Shackelford), 1011.
 Skull, Angioma racemosum in, L. Frigýér (abstract), 423.
 [Skull] Congenital cerebral cysts of *cavum septi pellucidi* (fifth ventricle) and *cavum vergæ* (sixth ventricle): Diagnosis and treatment, W. E. Dandy (abstract), 819.
 [Skull] Cranial radiography, E. Dufresne (abstract), 1025.
 Skull examinations, survey of 3,000 consecutive: Indirect signs of brain tumor as noted in routine roentgen examinations: displacement of pineal shadow, C. G. Dyke (abstract), 424.
 [Skull] Hyperfunction of hypophysis in childhood: New syndrome, C. I. Parhon and C. Parhon-Stéfanescu (abstract), 1024.
 [Skull] Hypophyseal lacunar dysostosis, M. Santoro (abstract), 819.
 [Skull] Pituitary body, Radiological diagnosis and radiation therapy of tumors of, Q. Vischia (abstract), 829.
 Sluys, Felix, 96.
 Slye, Maud, 436, 444.
 Smiley, D. F., 740, 743.
 Smirnow, A. W., 928.
 Smith, Clayton S., 992.
 Smith, Edwin M., Jr., joint-author, 737.
 Smith, Emerson, 1006.
 Smith, Harvey, Paget's disease of bone, 694.
 Smith, Hugh, 612.
 Smith, J. S. Kellett, 928.
 Smith, N. R., 237, 244.
 Smith, O. A., 237, 244.
 Smith, W. Atmar, 94.
 Smith, William H., 604.
 Smithies, Frank, 621, 962.
 Smoler, Felix, 270.
 Sneller, Charles D., 988.
 Snoke, P. O., 819.
 Snow, C., 6, 894.
 Snyder, A. E., 74.
 Soddy, F., 468, 471.
 Soiland, Albert, 90, 91, 587.
 Sokoloff, Boris, joint-author, 746.
 Sokoloff (cited by A. Steindler), 983.
 Solcard, M., 927.
 Solcard (cited by W. W. Belden), 924.
 Solomon, I., 2.
 Sommerfeld, A., 511.
 Sonne, Carl, 732, 736.
 Soper, Horace W., 102, 253, 264, 270.
 Soresi, A. L., New diaphragm for complete elimination of secondary radiation, 486.

- Sorrell-Dejerine, Mme., 928.
 Sorrel, Etienne, 928.
 Sosman, Merrill C., 414, 553.
 South, symptom complex frequently seen in, 100.
 Spaeth (cited by W. W. Belden), 916.
 Spangler, D., 335, 338.
 Spangler, Ross D., Comparison of X-ray diffraction intensities with structure factor computations in liquid long chain compounds, 359.
 Spector, H. I., 606.
 Speed, Kellogg, 929.
 Spiethoff, B., 704.
 Spiller, W. F., 817.
 [Spine] Back strain, Analysis of 100 consecutive cases of, M. O. Henry (abstract), 427.
 Spine, cervical, child's in roentgenogram, Hypertension of, E. Kehr (abstract), 426.
 [Spine] Disabling back pain: Differential diagnosis and treatment, R. McE. Schaffler (abstract), 820.
 Spine, fracture of, Double isolated compression, C. C. Schneider (abstract), 820.
 Spine, fracture of, Roentgenologic findings in series of seventy-two cases of traumatic myelitis due to, E. S. Gurdjian (abstract), 819.
 Spine, hypertrophic osteo-arthritis of, Differential diagnosis of pain of angina pectoris and radicular syndrome of, D. C. Sutton (abstract), 426.
 [Spine] Intervertebral nucleus pulposus: Its anatomy, its physiology, its pathology, J. Calvé and M. Galland (abstract), 1025.
 [Spine] Low-back injuries, X-ray observations in, J. C. Johnston (abstract), 426.
 [Spine] Myelomatosis in child of 8 years, P. Jacoby (abstract), 427.
 [Spine] Roentgenogram of spondylitis typhosa, J. Arendt (abstract), 821.
 Spine, Roentgen therapy of, in skin diseases, A. Krynski (abstract), 811.
 [Spine] Spinal cord, Diagnosis of tumors involving, H. W. Woltman (abstract), 827.
 [Spine] Vertebra, Fifth lumbar, roentgenologically demonstrated, W. W. Belden, 905.
 [Spine] Vertebra, Primary, sarcoma of, O. Rohrhirsch (abstract), 1026.
 [Spine] Vertebra, sixth lumbar, Painful hemisacralization of, F. Talia (abstract), 1026.
 [Spine] Vertebral column, Lymphogranulomatosis of, W. Kuckuck (abstract), 1011.
 Spinelli, A., 577.
 Spitzzy (cited by W. W. Belden), 929.
 Spleen and liver, Clinical use of "lienography," new method for roentgenologic demonstration of, M. Oka (abstract), 95.
 Spleen, reticulo-endothelial system of, Effect of X-rays on, E. Conte (abstract), 416.
 Spondylitis, Tuberculous: Its clinical symptoms and curative results following sunlight and fresh air treatment, E. Kisch and H. Berger (abstract), 827.
 Spondylolisthesis, H. W. Meyerding (abstract), 820.
 Spriggs, E. I., 31-33, 37, 997.
 Sprue, 100.
 Staben, G. W., 929.
 Staemmler, Martin, 259, 270.
 Standardization, Committee on, Stockholm report of, 1.
 Standardization, X-ray, Recent progress in, L. S. Taylor, 1-13.
 Standards, Bureau of, 4, 302-321.
 Starr, Clarence L., 139, 179.
 Stearns, Genevieve, 1016.
 Steele, Paul B., 929.
 Stein, Jacob, 92.
 Steindler, Arthur, 983.
 Steininger, Hans, 823.
 Steinthal (cited by F. Melchart), 1021.
 Stemmler, W., 929.
 Stenstrom, K. W., 73, 322, 730.
 Stenstrom, K. W., Biophysical principles of physical therapy, 730.
 Stenstrom, Wilhelm and Lohmann, Anne, Color changes produced by roentgen rays in some aqueous solutions: considered for dosage measurements and for detection of effects of radiation on other chemical compounds, 322.
 Stephens, J. G., 571, 784, 807, 810, 1009.
 Stephenson, George W., 364.
 Sterilization of mother, temporary roentgen or radium, Development of children following, H. Naujoks (abstract), 405.
 Sterilization of women by roentgen rays, G. Fritsch (abstract), 799.
 Sterling, H. N., 13, 868.
 Stern, C., 704.
 Sternberg (cited by F. W. Stewart and C. A. Doan), 803.
 Stevens, Rollin H., 73, 376, 379, 435.
 Stevens, Rollin H., Skin malignancy: comments on therapy, 435.
 Stewart, A., 996.
 Stewart, Fred W., 591, 803.
 Stewart, George A., Report of five cases of subacute osteomyelitis of femur resembling sarcoma, 271.
 Stewart, G. W., 359.
 Stewart, M. J., 179.
 Stieve, H., 405.
 Stiles, James F., 74.
 Stockard, Charles R., 336, 339.
 Stoeckel (cited by E. Zweifel), 585.
 Stohr, Rudolf, 929.
 Stokes, William Royal, 604.
 Stoll, Henry F., 242.
 Stomach, Acute ulcerations of, in children, B. R. Shore (abstract), 614.
 Stomach, aleukemic leukemia of, and roentgenologic findings, Case of, V. Sváb (abstract), 997.
 Stomach and small bowel, roentgen examination of, Appraisal of motor-test-meal in, A. B. Moore (abstract), 97.
 Stomach, benign growths of, Diagnosis of nature of, A. Anzillotti (abstract), 100.
 Stomach, cancer of, Diagnosis and treatment of, P. Riddle (abstract), 582.
 Stomach, cancer of, Gastric retention, Great, and dilatation of stomach in cases of gastroduodenal ulcer and, T. Klason (abstract), 614.
 Stomach, carcinoma of, Early diagnosis of, L. G. Rigler (abstract), 998.
 Stomach, early cancer of, Radiological signs of, A. Salotti (abstract), 86.
 [Stomach] Gastric syphilis: observations based on 93 cases, G. B. Eusterman (abstract), 789.
 [Stomach] Gastric syphilis, Roentgen diagnosis of, L. T. LeWald (abstract), 788.
 [Stomach] Gastro-jejuno-colic fistula, with barium enema entering esophagus, C. G. Lyons (abstract), 997.
 [Stomach] Intra-gastric photography, Diagnosis of gastric lesions by: preliminary report, R. Finkelstein (abstract), 620.
 Stomach, Multiple adenopapillomata of, with report of case showing varying degrees of malignancy, F. D. Ackman (abstract), 103.
 Stomach, neurofibroma of: three cases of neuroma: circoid neuroma of face; posterior tibial neurofibroma, J. T. Case (abstract), 834.

- Stomach, Sarcoma of: report of four cases and review of literature, R. D'Aunoy and A. Zoeller (abstract), 830.
- Stomach, Syphilis of, L. L. Hill, Jr. (abstract), 789.
- Stomach, syphilis of, hypertrophic, Clinical diagnosis of, H. Baumecker (abstract), 619.
- Stomach, Syphilis of: study of 8 cases, J. B. Fitts (abstract), 616.
- Stomach, upper portion of, Lower esophagus and, as seen by roentgenologic examination, J. Palugay (abstract), 996.
- Stone, Robert S., 59.
- Stone, T. T., 713.
- Stone (cited), 585.
- Stoneburner, C. F., 904.
- Stoney, Florence, 400.
- Stout, M. E., 929.
- Strandberg, O., 741, 743.
- Strassmann (cited by E. Zweifel), 585.
- Strauss, Alfred A., 625.
- Strauss, Herman A., 802.
- Structure investigation of silver permanganate, W. Büsser and K. Herrmann (abstract), 597.
- Structure of silicates, W. L. Bragg (abstract), 597.
- Structure produced by rolling of metals, E. Schmid and G. Wassermann (abstract), 593.
- Stubenbord, J. G., 687, 693.
- Stygall, James H., 603.
- Sugden, Frank, 835.
- Sulpharsphenamine, warts treated with, 344.
- "Sulphur granules," 418.
- Sulphuric acid, effects of swallowing, 97.
- Sunlight and Vitamin D, A. v. Wijk, E. H. Reerink, and W. Mörikofer (abstract), 547.
- Surgery, radium, Present status of, H.-G. Zwerg (abstract), 808.
- Sutherland, Charles G., 94, 99, 100, 103, 460, 582, 583, 589, 600, 605-607, 609, 610, 613, 620-626, 786, 789, 790, 791, 794, 805, 815, 819, 820, 824-826, 828, 835, 838, 840, 973, 975, 977-979, 980-984, 988-990, 992, 994, 995, 997, 1000, 1001, 1005, 1008, 1011, 1012, 1019, 1024, 1025.
- Sutton, Don C., 426.
- Sutton, Richard L., 344, 345.
- Sváb, Václav, 997.
- Swan-Myers Company, 74.
- Swart, Howard A., 577, 742, 743.
- Sweet, William M., 612.
- Sweetser, Theodore, 1006.
- Swett, Paul P., 242.
- (Swick method): Intravenous urography, L. Jaches (abstract), 791.
- Swick, Moses, 108, 791, 793, 972.
- Swift, Walker E., 925.
- Swiss army, X-ray examination of called-up men and recruits in, H. E. Walther (abstract), 368.
- Sylla, Adolf, 607.
- Symphysis pubis in roentgen examination of sacroiliac joint, W. E. Chamberlain (abstract), 575.
- Synovial adhesions, Roentgen diagnosis of (abstract), 608.
- Syphilis, Congenital, of bone: case report, L. R. Lingeman, 953.
- Syphilis, Gastric: observations based upon on 93 cases, G. B. Eusterman (abstract), 789.
- Syphilis, gastric, Roentgen diagnosis of, L. T. LeWald (abstract), 788.
- Syphilis in infancy and early childhood, Roentgenological manifestations of, J. E. Heatley (abstract), 401.
- Syphilis of aorta and heart: clinical study, S. S. Riven and J. Reigenbaum (abstract), 1010.
- Syphilis of lungs, K. Herman (abstract), 599.
- Syphilis of stomach, L. L. Hill, Jr. (abstract), 789.
- Syphilis of stomach, hypertrophic, Clinical diagnosis of, H. Baumecker (abstract), 619.
- Syphilis of stomach: study of 8 cases, J. B. Fitts (abstract), 616.
- Syphilis, osseous, congenital, I.—Roentgenographic and pathologic aspects of, S. McLean (abstract), 984.
- Syphilis, osseous, congenital, II.—Correlation of roentgenographic and pathologic aspects of, with particular reference to first months of life, S. McLean (abstract), 984.
- [Syphilis] Syphilitic fetus, Peculiar alterations of ossifying nuclei of, L. De Vecchi (abstract), 400.
- Szymanowski, Waclaw T., 710, 718.
- [Tabes] Tabetic arthropathies, A. Steindler (abstract), 983.
- Tabes dorsalis, Peptic and duodenal ulcer in, E. L. Hunt and J. R. Lisa (abstract), 997.
- Tabes, Roentgen therapy of, C. Kremser (abstract), 814.
- Taddei, Domenico, 929.
- Taft, Robert B., 558-560, 990.
- Taft, Robert B., Fluoroscopic-radiographic change switch, 558. *See other reference.*
- Taft, William Howard, 959.
- Tagliovacche (cited by W. W. Belden), 929.
- Talalgia, etiology of so-called, Contribution to, J. Odessky (abstract), 576.
- Talbot, J. E., 336, 339.
- Talia, Ferdinando, 577, 973, 1026.
- Tamini (cited by W. W. Belden), 929.
- Tandler, —, 76.
- Tanner (cited by M. C. Borman), 793.
- Tartagli, Dino, 104.
- Taussig, Laurence R., 341, 345.
- Taussig (cited), 585.
- Taylor, Ewing, 645.
- Taylor, Lauriston S., 1-13, 302-321, 893-904.
- Taylor, Lauriston S., Absorption measurements of X-ray general radiation, 302. *See other references.*
- Taylor, Lauriston S., Apparatus for measurement of high constant or rippled voltages, 893. *See other references.*
- Taylor, Lauriston S., Recent progress in X-ray standardization, 1-13. *See other references.*
- Tchirkin, Nikolas, 929.
- [Teeth] Dental radiology in most common applications, S. Parenti (abstract), 993.
- Teeth, X-ray negative, E. S. Best (abstract), 992.
- Temperature, Constant, for X-ray developing. W. L. Holladay, 346.
- Teperson, Hyman I., Anencephaly: the importance of pre-natal diagnosis, with report of case, 334.
- Terrill, H. M., 509, 513, 894.
- Terzani, A., 929.
- Teschendorf, Hans J., 622.
- Teschendorf, W., 792.
- Testicular seminomas and their treatment by means of roentgen rays, J. B. Porchovnik and G. N. Treister (abstract), 415.
- Thaler, Hans, 936, 940.
- Therapy, superficial, Sources of danger in, D. v. Kémeri, 491.
- Thibaud, J., 512.
- Thienes, Clinton H., 75.
- Thilenius (cited), 1029.
- Thom, Bruno, 786.
- Thomas (cited by M. J. Geyman), 482.
- Thompson, George T., Lesions of upper femur, 278.
- Thompson, J. E., 643.
- Thompson, J. Williams, 102.
- Thompson, O. R., 335, 338.

- Thompson (cited by C. F. Geschickter), 133.
 Thomsen, Einar, 798.
 Thomson (cited by M. C. Borman), 793.
 Thorax, diseases of, Limitations of roentgenologic diagnosis of, E. Lachmann (abstract), 603.
 Thorax, Roentgenological appearance of interlobar and mediastinal encapsulated effusion in, Eugene Freedman, 14-29.
 Thoyer-Rozat (cited by W. W. Belden), 925.
 Thrombophlebitis, Radiation therapy of, J. Halban (abstract), 811.
 Thymus, D. D. Martin (abstract), 822.
 Thymus, carcinoma of, with extensive metastases, in new-born child, Case of, G. V. Bedford (abstract), 582.
 Thymus, enlarged, and its treatment, Roentgenology of thymus in infancy and differential diagnoses of, H. K. Pancoast (abstract), 821.
 Thymus gland, Possible significance of, in syndrome of hyperthyroidism, H. M. Margolis (abstract), 1026.
 Thymus, Hyperplasia of: study of 1,045 patients including available family and maternal history, S. W. Donaldson (abstract), 430.
 Thymus in early infancy, Some observations on, E. H. Shannon (abstract), 429.
 Thymus in newborn, Enlargement of, J. A. Johnston and P. J. Howard (abstract), 1028.
 Thymus problem to date, based on study of 475 mediastinal radiographs, J. H. West (abstract), 1027.
 Thymus, Pathological, in children from a roentgenological standpoint, W. H. Gilmore (abstract), 1027.
 Thymus, Roentgen diagnosis and treatment of enlargement of, E. P. Pendergrass (abstract), 821.
 [Thymus] Thymic disorders: Their recognition and treatment, with report of sixteen cases, R. E. Pray (abstract), 1027.
 [Thymus] Thymic shadows in new-born, Incidence of widened, J. V. Greenebaum and L. S. Friedman (abstract), 429.
 [Thymus] Thymic shadows of new-born infants, H. B. Podlasky and S. E. Kohn (abstract), 430.
 Thyroid and parathyroid glands, Effect of X-ray on, O. M. Walters, B. J. Anson, and A. C. Ivy, 52-58.
 Thyroid gland, diseases of, Special points in treatment of, C. C. Higgins (abstract), 431.
 Thyroid gland, diseases of, Value and place of radium in treatment of, S. Ginsburg (abstract), 1028.
 Thyroid gland, Malignant tumors of, C. Williams (abstract), 432.
 Thyroid intoxication, Problem of, R. R. Graham (abstract), 1029.
 Thyssen, Stephen, joint-author, 746.
 Tidmarsh, C. J., 402.
 Tietze, Alexander, 684, 686.
 Tissue, connective, calcium in, Unusual deposition of, M. Cohn and Freye (abstract), 417.
 Titus, Norman E., 729.
 Todd, T. Wingate, 965.
 Tolan, T. L., 553.
 Tongue, cancer of, Radium and surgery in, D. Quick (abstract), 592.
 Tongue, cancer of, Radium treatment of (symposium), S. Cade (abstract), 587.
 Tongue, cancer of, Radium treatment of, S. Cade (abstract), 591.
 Tongue, carcinoma of, Treatment of, M. Friedman (abstract), 587.
 Tongue, Diseases of, H. C. Lindsay (abstract), 90.
 Tongue, Hairly, following adjacent radiation, M. T. Van Studdiford (abstract), 808.
 Tongue, lip, and skin, Cancer of: Ministry of Health report, J. Lane-Clayton (abstract), 987.
 Tonsils, Treatment of diseases of, with roentgen rays, J. Grünthal (abstract), 1020.
 Toyama, Ikuzo, 704.
 [Trachea] Intratracheal injection of iodized oil, Technic of, J. R. Head (abstract), 95.
 Trachea, Roentgen examination in diseases of, Max Sgalitzer (abstract), 428.
 Traumatism, Birth, as factor in urinary infection, F. S. Patch (abstract), 107.
 Trawick, John D., 242.
 Treister, G. N., 415.
 Trendel (cited by C. F. Geschickter), 127, 166, 179.
 Trèves, André, 929.
 Trocmé, P., 28.
 Trostler, I. S., 463, 564, 845, 949, 965.
 Trostler, I. S., Obscure bone case, 949. *See other references.*
 Trotter, Wilfred, 481, 482.
 Trudeau Sanatorium, 600, 1031.
 Truesdale, P. E., 485.
 Tschudi, E., 457, 459.
 Tubes, cathode-ray, Contribution to biological effects of modern, W. Schaefer and E. Witte (abstract), 973.
 Tubes, Lilienfeld-Roentgen, 780.
 Tube, low voltage, Concerning a source of error in calibrating a Müller, L. Böhrer (abstract), 805.
 Tubes, X-ray, 299-301, 353-358, 571, 575.
 Tuberculosis, Analysis of lymphadenopathy question, with special reference to Hodgkin's disease and, F. W. Stewart and C. A. Doan (abstract), 803.
 Tuberculosis, childhood, Important factors in study of, S. Pritchard (abstract), 822.
 Tuberculosis, Childhood type of, E. F. Johnson (abstract), 825.
 Tuberculosis, Differential diagnosis of first stages, of, H. Steininger (abstract), 823.
 [Tuberculosis] Etiology of erythema nodosum in children: Its relation to early tuberculous infection, L. B. Dickey (abstract), 1029.
 Tuberculosis, Hyperplastic, of duodenum and terminal ileum, J. D. Garvin (abstract), 825.
 Tuberculosis, ileocecal, early, Diagnosis of: preliminary report, with special reference to double contrast enema, J. Gershon-Cohen (abstract), 432.
 Tuberculosis in children, H. D. Chadwick (abstract), 433.
 Tuberculosis, laryngeal, Radiographic aspects of, L. Feci and L. Pietrantoni (abstract), 823.
 Tuberculosis of adnexa, roentgen therapy in, Further experience with, H. Eymer (abstract), 417.
 Tuberculosis of genital tract, Diagnosis and treatment of, J. D. Barney, J. L. Watson, and S. Elliott (abstract), 796.
 Tuberculosis of intestine: Its differential diagnosis, J. A. Bagen (abstract), 824.
 Tuberculosis of kidney, Roentgenologic diagnosis in, B. H. Nichols (abstract), 794.
 Tuberculosis of knee joint, demonstrated by oxygen injection into joint, B. Ulrichs (abstract), 433.
 Tuberculosis of lungs, Present status and importance of, H. Schulte-Tigges (abstract), 826.
 Tuberculosis of male genital organs, Contribution to roentgen treatment of, J. Grünthal (abstract), 1017.
 Tuberculosis of suprarenals, Roentgenologic diagnosis of, R. Schatzki (abstract), 825.
 Tuberculosis, pulmonary and secondary intestinal: corrective study, E. H. Rubin (abstract), 434.

- Tuberculosis, pulmonary, Differential diagnosis of, lung abscess and bronchiectasis, F. P. McNamara (abstract), 823.
- Tuberculosis, pulmonary, Early roentgen diagnosis of, L. J. Menville (abstract), 825.
- Tuberculosis, pulmonary, in infants and children, Roentgen diagnosis of, R. G. Karshner (abstract), 433.
- Tuberculosis patients without means, Sun and occupational therapy for surgical, A. Rollier (abstract), 826.
- Tuberculosis, pulmonary, Limitations of heliotherapy in, B. L. Wyatt (abstract), 826.
- Tuberculosis, pulmonary, Non-apical infiltrations in, K. Fischel (abstract), 1030.
- Tuberculosis, pulmonary, Phrenic nerve operations in: Results in five hundred cases, E. J. O'Brien (abstract), 826.
- Tuberculosis, pulmonary, Pork bone in bronchus simulating, C. D. Sneller (abstract), 988.
- Tuberculosis, pulmonary, Subacute and chronic pulmonary infections commonly mistaken for, H. J. Morgan (abstract), 600.
- Tuberculosis, pulmonary, Value of roentgenologic examination in, H. L. Sampson and L. Brown (abstract), 1030.
- Tuberculosis, renal, Intravenous urography in diagnosis of: Case report, T. Sweetser (abstract), 1006.
- Tuberculosis, Suspected juvenile: Evaluation of clinical symptoms and signs, F. Ebersson, J. P. Delprat, and E. Wolff (abstract), 824.
- [Tuberculosis] Tuberculous diseases, surgical, Results of roentgenotherapy of, J. Palugay (abstract), 1022.
- [Tuberculosis] Tuberculous infection of school children, Significance of advanced, E. L. Opie (abstract), 823.
- [Tuberculosis] Tuberculous lobitis, Clinical and radiologic observations on, P. C. Malugani (abstract), 822.
- [Tuberculosis] Tuberculous spondylitis: Its clinical symptoms and curative results following sunlight and fresh air treatment, E. Kisch and H. Berger (abstract), 827.
- Tuberculosis, urinary, Uroselectan in, O. S. Lowley (abstract), 1008.
- Tuffier (cited by W. W. Belden), 929
- Tumors, annular, 255.
- Tumors, asymmetric, 255.
- Tumors of ano-rectal region occurring in one person, Three primary malignant epithelial, D. M. Angevine (abstract), 830.
- Tumor, benign giant-cell, 152-157.
- Tumors, benign, of stomach and intestines, Differential diagnosis of, F. Schmitz (abstract), 788.
- Tumors, bone, among ex-service men, Study of, P. B. Matz, 664.
- Tumors, bone, primary, of extremities, Pathological fractures in, B. L. Coley and G. S. Sharp (abstract), 581.
- Tumors, bone, Roentgenologic diagnosis of, C. F. Geschickter, 111-180.
- Tumors, bone, Treatment of, E. I. Bartlett (abstract), 985.
- Tumor, brain, roentgen treatment of, Further experience with, K. Backmund (abstract), 414.
- Tumors, Central, of lower jaw, Richard F. C. Kegel, 216.
- Tumors, endometrial, of ovarium and peritoneum, Temporary amenorrhea in treatment of, H. Albrecht (abstract), 109.
- Tumors, Ewing's, 985.
- Tumors, external, 255.
- Tumors, extra-renal, Changes in kidney pelvis on roentgen film caused by, R. Bachrach and K. Hitzengerger (abstract), 828.
- [Tumors] Fibromas of nasopharynx, X-ray treatment of, M. Lambranzi (abstract), 1018.
- Tumors, giant-cell, 183, 213, 220, 237, 250.
- Tumors, Giant-cell: four cases successfully treated by roentgen rays, L. T. LeWald (abstract), 84.
- Tumor, giant-cell, of lower right radius, Case of recurrent, J. Shelton Horsley, 756.
- Tumor, Giant-celled, of upper jaw, H. W. Coates (abstract), 827.
- [Tumor] Hypernephroma with virilism in a child of three years, G. W. Harris and D. F. Plewes (abstract), 830.
- Tumors, Intrathoracic, extra-pleural granulation, O. Dyes (abstract), 832.
- Tumor involving lymphoid tissue, D. S. Childs, 59-64.
- Tumors involving spinal cord, Diagnosis of, H. W. Woltman (abstract), 827.
- Tumors, jejuno-ileum, 259.
- [Tumor] Lipoma of mediastinum, W. M. Yater and E. S. Lyddane (abstract), 829.
- Tumors, malignant, Deposit of active bismuth in, H. Kahn (abstract), 829.
- Tumors, malignant, Irradiation therapy of, in Sweden, G. Forssell (abstract), 833.
- Tumor, Malignant, of ethmoid, J. E. Habbe, 548.
- Tumors, Malignant, of thyroid gland, C. Williams (abstract), 432.
- Tumors, metastatic, 185.
- [Tumor] Multiple myeloma as a single lesion, C. F. Geschickter (abstract), 828.
- [Tumors] Multiple myeloma: Report of case, L. Bryan and J. Levitin (abstract), 831.
- [Tumor] Mycetoma, Maduromycotic (Madura foot): report of case occurring in American negro, J. W. Jones and H. S. Alden (abstract), 979, 980.
- [Tumors] Neuroma, Three cases of: Cirroid neuroma of face; neurofibroma of stomach; posterior tibial neurofibroma, J. T. Case (abstract), 834.
- Tumors of bone, Giant-cell—clinical, histological, and radiotherapeutic study, H. Lacharité (abstract), 84.
- Tumors of colon and non-recognized invagination of tumor, Forcing demonstration of canalization in, A. W. Fischer (abstract), 830.
- Tumors, of intestine, small: their diagnosis, with special reference to the X-ray appearance, Theodore S. Raiford, 253.
- Tumors of os calcis, John R. Moore, 232.
- Tumors of parotid gland, E. B. Benedice and J. V. Meigs (abstract), 831.
- Tumors of pituitary body, Radiological diagnosis and radiation therapy of, Q. Vischia (abstract), 829.
- [Tumor] Periosteal lipoma: Report of two cases, E. I. Bartlett (abstract), 829.
- [Tumor] Perithelioma of fascial origin with direct antecedent history of trauma, Case of, T. V. Cooper (abstract), 827.
- Tumor, Reaction to irradiation as means of differentiating certain varieties of, A. U. Desjardins (abstract), 831.
- [Tumor] Sarcoma botryoides corporis uteri, Case of, P. J. Kearns (abstract), 829.
- Turano, Luigi, 104.
- Turini, G., 929.
- Turner, Henry, 929.
- Turner, H. M. S., 719.
- Turrell, W. J., 836.

- Tuve, M. A., 1615.
 Tyler, Albert F., 729.
- Ude, Walter H., 73, 739, 743.
 Uebel, Paul, 801.
 Uhlmann, Erich, 421, 422, 704, 732, 736, 797.
 Ulcer, duodenal, Radiological diagnosis of, A. Anzillotti (abstract), 98.
 Ulcer, duodenal, Radiological diagnosis of, P. Buisson, M. Bermond, and M. Buisson (abstract), 617.
 Ulcer, duodenal, Subtotal gastrectomy for: ten years' experience and clinical end-results, A. A. Strauss, L. Bloch, J. C. Friedman, J. Meyer, and M. L. Parker (abstract), 625.
 Ulcer, duodenal, X-ray examination in, Evaluation of, C. D. Enfield (abstract), 101.
 Ulcers, Gastric and duodenal, L. O. Nordstrom (abstract), 615.
 Ulcers, gastric and duodenal, perforated Incidence of hemorrhage in, M. Behrend (abstract), 621.
 Ulcer, gastric, chronic, Diet in (abstract), 622.
 Ulcer, Gastric, with gastritis in 10-year-old child, F. Herz (abstract), 620.
 Ulcer, gastroduodenal, and cancer of stomach, Great gastric retention and dilatation of stomach in cases of, T. Klason (abstract), 614.
 Ulcer of extra-bulbar portion of duodenum, Contribution to knowledge of, R. Viviani (abstract), 615.
 Ulcer, Peptic and duodenal, in tabes dorsalis, E. L. Hunt and J. R. Lisa (abstract), 997.
 Ulcers, Peptic: diagnosis and treatment, P. K. Brown (abstract), 615.
 Ulcer, Peptic: diagnostic value of roentgen ray before and after treatment, E. S. Emery, Jr., and R. T. Monroe (abstract), 787.
 Ulcer, peptic, medical treatment of, Results of, R. C. Brown (abstract), 625.
 Ulcer, peptic, Treatment of, with gastric mucin: Preliminary report, S. J. Fogelson (abstract), 1001.
 Ullmann, Henry J., 301, 365-368, 376, 706, 718, 719, 743, 744, 827, 837, 892, 1014, 1019.
 Ullmann, Henry J., What should be done about cancer? 365-368, 376. *See other references.*
 Ulrey, C. T., 304, 894.
 Ulrichs, B., 433.
 Ultra-violet light, Cutaneous papillomata in rat following exposure to, G. M. Findlay (abstract), 836.
 [Ultra-violet light] Dermatologic therapeutics: basic principles and technic, M. Scholtz (abstract), 421.
 Ultra-violet dosimeter, Principles of new, E. Weyde (abstract), 837.
 Ultra-violet light (Osram-Vitalux-Lamp) in diseases of respiratory system, Use of, A. Moeller (abstract), 834.
 Ultra-violet light in treatment of dull and backward child, F. Sugden (abstract), 835.
 Ultra-violet light, Irradiation of body cavities by, generated in them, S. Westmann (abstract), 839.
 [Ultra-violet light] Vitalux lamp, Erythema tests with, S. Epstein (abstract), 836.
 Ultra-violet of sun, On, C. Fabry and H. Buisson (abstract), 835.
 Ultra-violet radiation, Biologic test of, emitted by Vitalux lamp, L. Böhmer (abstract), 838.
 Ultra-violet radiation, Dosage of, in infants with tetany, H. Bakwin and R. M. Bakwin (abstract), 834.
 Ultra-violet radiation on tissue cultures, Effect of, E. Mayer (abstract), 836.
- Ultra-violet rays, Action of roentgen and, on reticulohistiocytic system of skin, P. G. Castellino (abstract), 817.
 Ultra-violet rays, Clinical applications of, John S. Coulter and Edwin M. Smith, Jr., 737.
 Ultra-violet rays on eye, Effect of visible light, infrared and, W. Hoffmann (abstract), 836.
 Ultra-violet rays, Osteitis deformans: Its treatment by, C. Nicory (abstract), 835.
 Ultra-violet rays, short, Intensities of, in sun spectrum, F. W. P. Götz (abstract), 835.
 Ultra-violet, similar effect of, and of roentgen rays, Case of, K. Brummer (abstract), 835.
 Ultra-violet therapy, Symposium on (abstract), 836.
 Umbrathor, Roentgenologic demonstration of mucosa by means of; contribution to roentgenologic diagnosis of ulcerative colitis, H. Regelsberger (abstract), 95.
 Unger, L., 742, 743.
 Upson, W. O., and MacGregor, A. E., Roentgenological aspect of various types of colonic diverticula, 30-38.
 Uranium-thorium colloid in treatment of carcinoma, G. T. Pack and F. W. Stewart (abstract), 591.
 Ureter, carcinoma of, Primary, H. J. Lindner, R. D'Aunoy, and R. J. Mailher (abstract), 583.
 Ureters, double, Interpretation of, L. P. Wershuh (abstract), 792.
 Urethra, female, Roentgen examination of, specially in cases of prolapse and incontinence, E. Thomsen (abstract), 798.
 Urinary apparatus, morphologically and functionally normal, Intravenous demonstration of, J. Palugay (abstract), 107.
 Urinary bladder in women, Diverticula of: report of cases, J. J. Crane (abstract), 105.
 Urinary ducts, Examination of, with new substance intravenously injected, D. Tartagli (abstract), 104.
 Urinary infection, Birth traumatism as factor in, F. S. Patch (abstract), 107.
 Urinary tract, Roentgenologic studies of, with contrast agents administered intravenously: Diagnosis in urology, R. E. Cumming (abstract), 1007.
 Urinary tract, Technic of roentgenologic demonstration of, with abrodil, J. Becker (abstract), 1003.
 Urinary tuberculosis, Uroselectan in, O. S. Lowsley (abstract), 1008.
 Urine, Nitrogen excretion in, following roentgen and radium treatment, G. K. F. Schultze (abstract), 420.
 Urographic medium, New: Emulsified campidol (an iodized rapeseed oil), A. A. Kutzmann (abstract), 791.
 Urography, Excretion, with abrodil (skiodan), G. Woytek (abstract), 1006.
 Urography, Intravenous, W. F. Braasch (abstract), 108, 1005.
 Urography, Intravenous, F. H. Colby (abstract), 104.
 Urography, Intravenous, H. L. Kretschmer (abstract), 106.
 Urography, Intravenous, J. S. Read and F. L. Senger (abstract), 107.
 Urography, Intravenous, by means of the sodium salt of 5-iodo-2-pyridon-n-acetic acid, M. Swick (abstract), 793.
 Urography, Intravenous, in diagnosis of renal tuberculosis: Case report, T. Sweetser (abstract), 1006.
 Urography, Intravenous, in diagnosis of urological diseases of childhood, A. Hyman (abstract), 105.

- Urography, intravenous, Principles of, A. von Lichtenberg (abstract), 1001.
- Urography, Intravenous (Swick method), L. Jaches (abstract), 791.
- Urography, intravenous, Uroselectan in, J. Welfeld and D. H. Pardoll (abstract), 104.
- Urography, Intravenous, with uroselectan, J. Duff (abstract), 795.
- Urography, Uroselectan, M. Weinberg (abstract), 796.
- Urologic conditions, Roentgen-ray diagnosis of, H. K. Wade and H. C. Chenault (abstract), 793.
- Urological diagnosis, Value and limitations of uroselectan as aid in, H. G. Bugbee and A. J. Murphy (abstract), 1003.
- Urological diseases of childhood, Intravenous urography in diagnosis of, A. Hyman (abstract), 105.
- Urology, Diagnosis in: Roentgenologic studies of urinary tract with contrast agents administered intravenously, R. E. Cumming (abstract), 1007.
- Uroselectan, 972.
- Uroselectan: Reactions accompanying its practical application: Report of cases, G. W. Hartman (abstract), 795.
- Uroselectan, roentgenologic demonstration of kidneys and urinary passages by intravenous injection of, Concerning, K. Hutter and M. Sgalitzer (abstract), 106.
- Uroselectan urography, M. Weinberg (abstract), 796.
- Uslenghi, Jose P., 929.
- Uspensky (cited by M. J. Geyman), 485.
- Uterine diseases, Radium and its use in, W. E. Gary (abstract), 808.
- Uterosalingography in general practice: with case reports, J. M. Johnson (abstract), 609.
- Uterus, adenocarcinoma of, Results of radiotherapy in, A. Lacassagne (abstract), 88.
- Uterus, cancer of, Organization and efficiency in fight against, Cl. Regaud (abstract), 85.
- Uterus, carcinoma of body of, Treatment of, W. Neill, Jr. (abstract), 590.
- Uterus, carcinoma of, Systemic changes in patients with, following roentgen and radium treatment, E. O. Gaessler (abstract), 89.
- [Uterus] Cervix, cancer of, Pelvic irradiation in, P. Findley (abstract), 987.
- [Uterus] Cervix uteri, Carcinoma of, C. O. Bailey (abstract), 588.
- [Uterus] Cervix uteri, carcinoma of, Present status of treatment of, E. Zweifel (abstract), 584.
- Uterus, Malignancy of body of, O. L. Norsworthy (abstract), 590.
- [Uterus] Microbial flora of carcinoma of cervix and their importance in radiotherapy, Study of, R. Vinzent and O. Monod (abstract), 89.
- [Uterus] Radium application limited to fundus uteri, G. Kaboth (abstract), 408.
- Uterus, sarcoma of, treated by irradiation, Few cases of, C. Regaud and A. Lacassagne (abstract), 832.
- [Uterus] Uteri, Case of sarcoma botryoides corporis, P. J. Kearns (abstract), 829.
- [Uterus] Uterine cervix and breast, cancer of, Treatment of, by radium and deep therapy X-ray, with 7-, 5-, and 3-year end-results, B. Hunt (abstract), 987.
- [Uterus] Uterine cervix, carcinoma of, Rational treatment of, W. Long (abstract), 987.
- [Uterus] Uterine cervix, Radiotherapy of carcinoma of, at Radium Institute of Paris, A. Lacassagne (abstract), 88.
- [Uterus] Uterine fibroids: analysis of 1,000 consecutive cases, J. Cohen (abstract), 402.
- [Uterus] Uterine fibroids, Further report on X-ray treatment of menorrhagia of menopause and, L. J. Carter, 44-46.
- [Uterus] Uterine hemorrhage, irregular, Radium in treatment of menorrhagia and, M. Donaldson (abstract), 408.
- [Uterus] Uterine sarcoma and roentgen therapy, A. Bèclère (abstract), 417.
- Uroselectan as aid in urological diagnosis, Value and limitations of, H. G. Bugbee and A. J. Murphy (abstract), 1003.
- Uroselectan as medium for vesiculographic study: preliminary report, E. G. Mark, 933.
- Uroselectan, Comparative value of, to cystographic pyelography, R. H. Herbst (abstract), 1004.
- [Uroselectan] Examination of urinary ducts, with new substance intravenously injected, D. Tagli (abstract), 104.
- Uroselectan, Fatal result from use of, J. A. and F. A. Riebel, 380.
- Uroselectan for intravenous pyelography, J. C. McClelland (abstract), 1006.
- Uroselectan in demonstration of blood vessels (vasography) and especially of varicosities, M. Ratschow (abstract), 609.
- Uroselectan in intravenous urography, J. Welfeld and D. H. Pardoll (abstract), 104.
- Uroselectan in renal lithiasis, Value of, W. F. Braasch (abstract), 1004.
- Uroselectan in urinary tuberculosis, O. S. Lowsley (abstract), 1008.
- Uroselectan, injection of, Pyelographic image after, L. Turano (abstract), 104.
- [Uroselectan] Intravenous demonstration of morphologically and functionally normal urinary apparatus, J. Palugyay (abstract), 107.
- [Uroselectan] Intravenous pyelography, A. Laroche (abstract), 108.
- [Uroselectan] Intravenous urography, F. H. Colby (abstract), 104.
- [Uroselectan] Intravenous urography, H. L. Kretschmer (abstract), 106.
- [Uroselectan] Intravenous urography, J. S. Sturdivant Read and F. L. Senger (abstract), 107.
- [Uroselectan] Intravenous urography in diagnosis of urological diseases of childhood, A. Hyman (abstract), 105.
- Uroselectan, Intravenous urography with, J. Duff (abstract), 795.
- Valade, Cyril K., 415.
- Valenti, Alexander, 331, 333.
- Vallebona, Alessandro, 86, 599, 828.
- Valsalva (cited by M. Sgalitzer), 428.
- Van Allen (cited by H. Brunn and S. Brill), 608.
- van Assen (cited by W. W. Belden), 929.
- van Bouwdijk Bastiaanse, E. S., 929.
- van der Tuuk, J. H., 406.
- Van Dessel, Arthur, 553.
- Van Goidsenhoven, F., 1000.
- Van Husen, Johann, 331, 333.
- Van Neck, M., 929.
- Van Studdiford, M. T., 808.
- Van Zwaluwenburg, James G., 71.
- Vastine, Jacob H., 424, 585, 799, 988, 1015.
- Vaughan, Roger T., 244.
- Vedel, Siméon, 929.
- Veingart, S. M., 929.
- Velde, Gustav, 93.
- Ventriculography, Indications and contra-indications of encephalography and, E. P. Pendergrass (abstract), 1024.
- Verbrugge, Jean, 480, 482.

- [Vertebrae, cervical] Kippel-Feil disease, A. J. Pytel and S. S. Chaievitch (abstract), 427.
- Vertebrae, cervical, New radiographic method for study of, P. Ottonello (abstract), 427.
- Vertebrae, Differential diagnosis of diseases and post-traumatic changes of, H. Holfelder (abstract), 428.
- Vertebra, Fifth lumbar, roentgenologically demonstrated, W. W. Belden, 905.
- Vertebrae, giant-cell sarcoma of, Management of: Report of case with cure after five years, J. O. Bower, J. H. Clark, and L. Davis (abstract), 833.
- Vertebrae, metastasis to, Roentgen treatment of, and bones of pelvis from carcinoma of breast, E. T. Leddy (abstract), 811.
- Vertebrae, peculiar alterations of, Contribution to study of significance of some, D. Perotti (abstract), 426.
- Vesiculographic study, Uroselectan as medium for (preliminary report), E. G. Mark, 933.
- Viamonte, Manuel, 92.
- Villa, Luigi, 1011.
- Vincent, René, 89.
- Virchow, Rudolf, 660, 663.
- Visceroptosis: clinical significance and treatment, E. L. Bortz (abstract), 624.
- Vischia, Quintino, 95, 829.
- Vitamin D, Sunlight and, A. v. Wijk, E. H. Reerink, and W. Mörikofer (abstract), 547.
- Viviani, Rodolfo, 615.
- Voegtlin, C., 710, 718.
- Vogt, E. C., 423, 1001, 1027.
- Vogt (cited by H. B. Matthews), 799.
- Voltages, rippled, Apparatus for measurement of high constant or, Lauriston S. Taylor, 893.
- Voltz (cited by F. Melchart), 1020.
- Vowiler, E. H., 74.
- Voorhoeve, N., 328, 333, 482.
- Vynalek, William J., 1008.
- Waddington, Joseph E. G., 729.
- Wade, H. King, 244, 793.
- Wagner, K., 929.
- Waggoner, R. W., 818.
- Wagner, Aage, 564, 565.
- Wainwright, J. M., 769.
- Wakefield, E. G., 706, 707, 718.
- Waller, A. D., 399.
- Wallgren (cited by L. B. Dickey), 1029.
- Wallhauser (cited by E. M. Hanrahan, Jr.), 404.
- Walters, O. M., Anson, B. J., and Ivy, A. C., Effect of X-rays on thyroid and parathyroid glands, 52.
- Walther, H. E., 368.
- Walton, Henry J., 572.
- Wangensteen, Owen H., 73, 995.
- Wappler (cited by A. L. Soresi), 491.
- Warburg, Otto, 77.
- Warburton, F. W., 304.
- Ward (cited), 585.
- Warfield, C. H., 600.
- Wanekros (cited), 585, 799.
- Warner, Arthur H., joint-author, 39-43.
- Warner, W. P., 601.
- Warren, Stafford L., 696, 745, 814.
- Warthin, A. S., 56, 58, 729, 803.
- Warts, Plantar, C. K. Valade (abstract), 415.
- Warts, Treatment of, Earl D. Osborne and Edwin D. Putnam, 340.
- Washington University, 75.
- Wassermann, G., 593.
- Wasson, W. W., 499.
- Wasson (cited by J. H. West), 1027.
- Waters, Charles A., 266, 785, 923, 933, 935.
- Watkins, W. W., 29, 84, 87, 91, 96, 97, 105, 107, 401-403, 410-412, 415, 416, 418-421, 424-427, 429, 431, 432, 434, 491, 573, 582-584, 587-591, 600-603, 609, 612, 615, 619, 785, 789, 793, 795, 796, 798, 801, 803, 807, 808, 810, 812-815, 818, 821-826, 836, 986-988, 991, 993, 995, 997, 1008, 1013, 1019, 1021, 1023, 1027.
- Watson, Henry D., 563.
- Watson, J. Laxton, 796.
- Weatherwax, J. L., 585, 966.
- Weaver, Clarence E., Intussusception: Case Report, 64.
- Webb, Gerald, 603.
- Webb, Gordon, 37, 38.
- Webb, Roscoe C., 577.
- Weber (cited), 972, 973.
- Weber, Harry M., 73.
- Webster, D. L., 8.
- Webster (cited by L. S. Taylor), 894.
- Wechselmann (cited by M. Haudek and J. D. Camp), 851, 855.
- Wegener, Ernst, 929.
- Weidman (cited by M. T. Van Studdiford), 808.
- Weil, A., 713.
- Weill, René, 929.
- Weinberg, E. David, Pathologic fracture, 282.
- Weinberg, Milton, 796.
- Weinstein, Samuel, 572.
- Weiskotten, H. G., 60.
- Weiss, Theodor, 932.
- Weiss (cited by C. E. Weaver), 64.
- Welch, William W., 629, 653.
- Welfeld, Joseph, 104.
- Weller (cited by E. H. Funk), 581.
- Werber, E. L., 336, 339.
- Werner, Walter I., 606.
- Werner (cited by F. A. Ford), 936, 940.
- Wershub, Leonard P., 792.
- Werthemann, A., 990, 994.
- West, F., 534.
- West, John H., 1027.
- Westermarck, Nils, 736.
- Westgren (cited by S. B. Hendricks), 597.
- Westinghouse X-ray Co., Inc., 491.
- Westman, C., 929.
- Westmann, Stephan, 839.
- Westphal (cited by A. Steindler), 983.
- Weyde, Edith, 837.
- White, J. Renfrew, 242.
- White, William A., 391.
- White, William Crawford, 986.
- Whitehead (cited by E. M. Hanrahan, Jr.), 404.
- Whitman, Royal, 634, 635, 638, 646, 647.
- Whitman, R. W., 997.
- Whitman, W. G., 1015.
- Whitmore, W. H., 237, 244.
- Wiat, Pierre, 929.
- Widere, S., 929.
- Widmann, Bernard P., 244, 585, 888, 891, 967.
- Wiel (cited by F. C. Christensen), 50.
- Wieloch, J., 937, 940.
- Wiese, H. W., Gastrojejuno-colic fistulae, 477.
- Wiesener, —, 77.
- Wigger, George, 352.
- v. Wijk, A., 547.
- Wikoff, Helen L., 992.
- Wile, U. J., 340, 345.
- Wilhelm (cited by W. W. Belden), 929.
- Wilhelmy, E., 77.
- Wilke, A., 932.
- Williams, Carrington, 432.
- Williams, John W., 334, 338.
- Williamson (cited F. C. Mann and J. L. Bollman), 619.

- Willis, Theodore A., 929.
 Willits, P. W., 335, 338.
 Wilmoth, Clifford Lee, 929.
 Wilson, C. T. R., 5.
 Wilson, John C., 83, 929.
 Wilson, J. D., 499, 507.
 Wilson, Kenneth, 807.
 Wilson, Sidney J., 988.
 von Winckel (cited by H. I. Teperson), 334.
 Winkler (cited by B. R. Kirklin and S. A. Morton), 328.
 Winter (cited by S. Parenti), 993.
 Winternitz (cited), 1015.
 Wintz, Hermann, 110, 401, 415, 422, 585, 1017, 1021.
 Wirth (cited by H. Hirsch), 415.
 Witte, E., 973.
 Witting, V., 577.
 Wittkowsky, Curt, 480, 482, 621.
 Woernle, Bernhard, 595.
 Wolf, G., 602.
 Wolff, Ernst, 824.
 Wollenberg (cited), 433, 975, 976.
 Woltman, Henry W., 827.
 Wood, Francis Carter, 291-301, 437, 546, 583, 692, 697-704, 891.
 Wood, Francis Carter, Palliative radiotherapy of malignant growths, 291. *See other references.*
 Wood, Francis Carter, and MacKee, George M., Therapy with long wave length X-rays (Grenz rays), 697. *See other references.*
 Wood, Franklin G., 601.
 Woods, Frederick S., 352.
 Wooster, Nora, 783.
 Wooster, W., 509, 512, 513.
 World War, conditions resulting from, 999.
 World War ex-service men, bone tumors among, 664.
 Worms (cited by J. R. Moore), 242.
 Wounds, electrosurgical, Rate of healing of, as expressed by tensile strength, J. D. Ellis (abstract), 839.
 Wounds, healing of, Influence of roentgen rays on, S. Kukase (abstract), 840.
 Wounds, Healing of operative, in irradiated tissues, V. Podestà (abstract), 839.
 Woytek, Georg, 1006.
 Wright, Cecil S., 445, 739.
 Wright, Lillie M., 975.
 Wright, —, 930.
 Wurzburg, University of, women's clinic at, 1923-28, Therapy of fibroids and hemorrhagic metropathy in, P. Uebel (abstract), 801.
 Wyatt, Bernard Langdon, 826.
 Wyckoff, Ralph W. G., 322, 327.
- X-radiation and radium, Immunological and biochemical researches on biological action of, L. Cappelli (abstract), 806.
 X-ray absorption frequencies, Influence of chemical state on critical, H. R. Robinson and C. L. Young (abstract), 779.
 X-ray, Absorption of, by lithium, K. C. Mazumder (abstract), 594.
 X-rays, Absorption of, in gases and vapors (I.—Gases), J. A. Crowther and L. H. H. Orton (abstract), 783.
 X-ray absorption spectrum of nickel, copper, and zinc, Contribution to knowledge of K, A. E. Lindh (abstract), 782.
 X-ray analysis of copper-manganese alloys, E. Persson (abstract), 781.
 X-ray analysis (IV): Polymorphism of sodium sulfate, F. C. Kracek and C. J. Ksanda (abstract), 594.
 X-ray and clinical study of bones of hands and feet, An, Max Kahn, 211.
 X-ray carcinomas, Multiple, following psoriasis: Case report and comment, H. Goodman and C. W. Price (abstract), 818.
 X-ray, dependence on, Our growing (abstract), 602.
 X-ray determination of solubility of copper in silver, N. V. Ageev and G. Sachs (abstract), 783.
 X-ray developing, Constant temperature for, W. L. Holladay, 346.
 X-ray diagnosis, K. D. A. Allen (abstract), 602.
 X-ray diffraction in liquid hexamethylbenzene, P. Krishnamurti (abstract), 594.
 X-ray diffraction in liquids, Liquid structure and, K. Banerjee (abstract), 594.
 X-ray diffraction intensities, Comparison of, with structure factor computations in liquid long chain compounds, Ross D. Spangler, 359.
 X-rays, diffuse, reflected from distorted sylvine, Intensity measurements of, R. Brill (abstract), 780.
 X-ray dosimeter, Biological calibration of, C. Packard (abstract), 611.
 X-ray, Early—early diagnosis, W. B. Davidson (abstract), 603.
 X-rays, Effect of, on reticulo-endothelial system of spleen, E. Conte (abstract), 416.
 X-rays, effects of, on ovary during period of oögenesis, Histological study on, G. Gricouroff (abstract), 109.
 X-ray examination in acute intussusception, E. Edberg (abstract), 617.
 X-ray examination, in duodenal ulcer, Evaluation of, C. D. Enfield (abstract), 101.
 X-ray examination of appendix, Comments on, J. T. Case (abstract), 974.
 X-ray examination of called-up men and recruits in Swiss army, H. E. Walther (abstract), 368.
 X-ray films, System of reading, for use in sanatoria, D. McRae (abstract), 599.
 X-ray general radiation, Absorption measurements of, L. S. Taylor, 302.
 X-rays, gold-copper alloys investigated by means of, K. Oshima and G. Sachs (abstract), 781.
 X-ray grating spectra, False lines in, J. M. Cork (abstract), 593.
 X-ray in diagnosis of carcinoma of colon, Rôle of, L. B. Morrison (abstract), 86.
 X-rays in diagnosis of terminal bowel disease, Sigmoidoscopy versus, F. C. Yeomans (abstract), 622.
 X-ray in low-back injuries, Observations, J. C. Johnston (abstract), 426.
 X-rays in pregnancy, Some notes on value of, H. R. Sear (abstract), 1009.
 X-rays in stars, A. S. Eddington (abstract), 719.
 X-rays in treatment of malignant disease, Place of, with especial reference to cancer of breast, F. Hernaman-Johnson (abstract), 1017.
 X-rays, Injuries to gonads not caused by, but due to extraneous factors, H. Stieve (abstract), 405.
 X-ray intensity measurements with deformed crystals, J. Hengstenberg and H. Mark (abstract), 779.
 X-ray investigation of crystals of azobenzene, M. Prasad (abstract), 779.
 X-ray K terms of lighter elements and rare gases from optical potential of ionization, Calculation of, W. Braunbek (abstract), 781.
 X-ray, Low voltage, for therapeutic menopause, J. C. Potter (abstract), 798.
 X-rays, long wave, Absorption of, of — 10 Å. U. in light elements, B. Worenlé (abstract), 595.
 X-ray negative teeth, E. S. Best (abstract), 992.

- X-ray means, Determination of inner structure of liquids by, P. Debye and H. Menke (abstract), 780.
- X-ray methods, Determination of degree of polymerization of some modifications of polyoxymethylene by means of, E. Ott (abstract), 782.
- X-rays on thyroid and parathyroid glands, Effect of, O. M. Walters, B. J. Anson, and A. C. Ivy, 52-58.
- X-ray quality measurement, Theory of, M. M. Schwarzschild, 856.
- X-ray reflection from two sides of III plane of zinc blende, Difference in intensities of, D. Coster, K. S. Knol, and J. A. Prins (abstract), 780.
- X-rays, Reflection of, on absorbing ideal crystals, J. A. Prins (abstract), 783.
- X-rays, reflection of, Total, E. Nähring (abstract), 782.
- X-rays, Scattering of, by bound electrons, S. Bhargava (abstract), 595.
- X-rays, secondary, Quantitative spectroscopic analysis with, G. v. Hevesy, J. Böhm, and A. Faessler (abstract), 779.
- X-ray serialograph, Practical, A. I. Arneson (abstract), 572.
- X-rays, short, upon human heart, Far-reaching effects of gamma rays and: Electrocardiographic results of cancer treatments given without direct irradiation of heart. J. E. Gendreau (abstract), 802.
- X-ray spectrograph with absolute zero determination without divided circle and zero method of Cornu, New, H. Seeman (abstract), 780.
- X-ray spectroscopy, Atomic analysis by, T. H. Laby (abstract), 597.
- X-ray standardization, Recent progress in, Taylor, L. S., 1-13.
- X-ray standpoint, Osteochondritis dissecans considered from, G. Jansson (abstract), 578.
- X-ray study of certain esters of cellulose and of glucose, A. Nowakowski (abstract), 593.
- X-ray therapy of Basedow's disease in older women, Our method of, A. Jugenburg (abstract), 432.
- X-ray therapy plant, deep, Nitrogen peroxide from mechanical rectifiers of, R. K. Newman (abstract), 571.
- X-rays, Therapy with long wave length (Grenz rays), Francis Carter Wood and George M. MacKee, 697.
- X-ray treatment, Deep, of chronic gonorrheal infection in female, C. M. Henry, 45-50.
- X-ray treatment, Fluctuations of blood pressure following, and clinical significance, H. Pausdorf and W. Nell (abstract), 574.
- X-ray treatment of Basedow's disease, Causes of success and failure in, P. Hesz and H. Schlecht (abstract), 1029.
- X-ray treatment of bone metastasis, C. B. Rose, 536.
- X-rays, treatment of erysipelas by, with account of three cases, Note on, R. H. Jamieson, and F. Hernaman-Johnson (abstract), 810.
- X-ray treatment of essential hematuria: case report, L. J. Carter, 944.
- X-ray treatment of fibromas of nasopharynx, M. Lambranzi (abstract), 1018.
- X-ray treatment of menorrhagia of menopause and uterine fibroids, Further report on, L. J. Carter, 44-46.
- X-ray treatment of warts, 341 *et seq.*
- X-ray tube in radiography, Focal spot projection and position of, P. M. Andrus and A. Hambleton, 869.
- X-ray tube, "Quality" of, and how to measure it, A. Bouwers, 353.
- X-rays upon retina, Effect of, W. Hoffman (abstract), 1019.
- X-ray visualization of calcified gallstone in child seven years old: case report, H. Rudisill, Jr., 942.
- X-rays. *See under* Roentgen rays, etc.
- Xanthoma, 214.
- Xanthomatosis (Schüller's disease; Christian's syndrome): report of three cases treated with roentgen rays, M. C. Sosman (abstract), 414.
- Yanagizawa, H., 608.
- Yater, Wallace M., 829.
- Yeomans, Frank C., 622.
- Youmans (cited by L. L. Hill, Jr.), 789.
- Young, Antonio D., 425.
- Young, C. L., 779.
- Young, H. E., 47, 51.
- Young, H. H., 933, 935.
- Young (cited by H. C. Bumpus, Jr.), 790.
- Zaccaria, A. A., 929.
- Zacherl (cited by E. Zweifel), 585.
- Zeno, L. O., 929.
- Ziegler, Kurt, 52, 57.
- Ziegler (cited by Krebs, C., Rask-Nielsen, H. C., and Wagner, A.), 565.
- Zimmern, A. Lauret, 929.
- Zoeller, Adelaide, 830.
- Zorraquin (cited by W. W. Belden), 929.
- Zulick, J. D., 58.
- Zuppinger, A., 812.
- Zweifel, Erwin, 584.
- Zwerg, H. G., 808.
- Zwicker, A., 485.

of
cht

36.
of
F.

rt,

f.

nd
r,

nd
n,

A.

-

d
e,

-

n